

Replacement Sheet 09/724,935

10	20	30	40	50	60
CGCTGTAGGG	ATAAATAGTG	CGATGGCGTT	TGTGGGAGAA	CGCAGTAGCG	ATGGGTTGCG
GCGACATCCC	TATTTATCAC	GCTACCGCAA	ACACCTCTTT	GCGTCATCGC	TACCCAACGC
100	80	90	100	110	120
ACGTGCACGA	TCCTTCGTGG	CAATGCCAAT	GGGGCGTTCC	CACGATTATC	GTGGCCTGGA
TGCACGTGCT	AGGAAGCACC	GTTACGGTTA	CCCCGCAAGG	GTGCTAATAG	CACCGGACCT
130	140	150	160	170	180
TAACATGCGC	GGCTTTAGGA	ATTTGGTGTT	TGGCGGGATC	GTCGGCGGAT	GTCTCTTCGG
ATTGTACGCG	CCGAAATCCT	TAAACCACAA	ACCGCCCTAG	CAGCCGCCTA	CAGAGAAGCC
190	200	210	220	230	240
GACCCGGCAT	CGCAGCCGTA	GTCGGCTGTT	CTGTTTTCAT	GATTTTCCTC	TGCGCGTATC
CTGGGCCGTA	GCGTCGGCAT	CAGCCGACAA	GACAAAAGTA	CTAAAAGGAG	ACGCGCATAG
250	260	270	280	290	300
TCATCCGTTA	CCGGGAATTC	TTCAAAGACT	CCGTAATCGA	CCTCCTTACC	TGCCGATGGG
AGTAGGCAAT	GGCCCTTAAG	AAGTTTCTGA	GGCATTAGCT	GGAGGAATGG	ACGGCTACCC
310	320	330	340	350	360
TTCGCTACTG	CAGCTGCAGC	TGTAAGTGCA	GCTGCAAATG	CATCTCGGGC	CCCTGTAGCC
AAGCGATGAC	GTCGACGTGC	ACATTACGCT	CGACGTTTAC	GTAGAGCCCG	GGGACATCGG
370	380	390	400	410	420
GCTGCTGTTT	AGCGTGTTAC	AAGGAGACGA	TGATTTACGA	CATGGTCCAA	TACGGTCATC
CGACGACAAG	TCGCACAATG	TTCTCTGCT	ACTAAATGCT	GTACCAGGTT	ATGCCAGTAG
430	440	450	460	470	480
GACGGCGTCC	CGGACACGGC	GACGATCCCG	ACAGGGTGAT	CTGCGAGATA	GTGAGAGATC
CTGCCGCAGG	GCCTGTGCCG	CTGCTAGGGC	TGTCCCACTA	GACGCTCTAT	CAGCTCTCAG
490	500	510	520	530	540
CCCCGGTTTC	GGCGCCGACG	GTGTCCGTCC	CCCCGCCGTC	GGAGGAGTCC	CACCAGCCCG
GGGGCCAAAG	CCGCGGCTGC	CACAGGCAGG	GGGGCGGCAG	CCTCCTCAGG	GTGGTCGGGC
550	560	570	580	590	600
TCATCCCAACC	GCAGCCGCCA	GCACCGACAT	CGGAACCCAA	ACCGAAGAAA	GGTAGGGCGA
AGTAGGGTGG	CGTCGGCGGT	CGTGGCTGTA	GCCTTGGGTT	TGGCTTCTTT	CCATCCCGCT
610	620	630	640	650	660
AAGATAAACC	GAAGGGTAGA	CCGAAAGACA	AACCTCCGTG	CGAACCACG	GTGAGTTCAC
TTCTATTTGG	CTTCCCCTCT	GGCTTCTGT	TTGGAGGCAC	GCTTGGCTGC	CACTCAAGTG
670	680	690	700	710	720
AACCACCGTC	GCAGCCGACG	GCAATGCCCG	GCGGTCCGCC	CGACGCGCCT	CCCCCGCCA
TTGGTGGCAG	CGTCGGCTGC	CGTTACGGGC	CGCCAGGCGG	GCTGCGCGGA	GGGGGGCGGT
730	740	750	760	770	780
TGCCGCAGAT	GCCACCCGGC	GTGGCCGAGG	CGGTACAAGC	TGCCGTGCAG	GCGGCCGTGG
ACGGCGTCTA	CGGTGGGCCG	CACCGGCTCC	GCCATGTTCG	ACGGCACGTC	CGCCGGCACC
790	800	810	820	830	840
CCGCGGCTCT	ACAACAACAG	CAGCAGCATC	AGACCGGAAC	GTAACCCGCC	CCCGGTGCGA
GGCGCCGAGA	TGTTGTTGTC	GTCGTCGTAG	TCTGGCCTTG	CATTGGGCGG	GGGCCACGCT
850	860	870	880	890	900
TAAGGAATTT	TCCGACTTGG	CGCACATCTC	CTTCCTCAAT	GTTTGGACAA	TAAACACATT
ATTCTTAAA	AGGCTGAACC	GCGTGTAGAG	GAAGGAGTTA	CAAACCTGTT	ATTTGTGTAA
910	920	930	940	950	960
CCTTGCCAAA	AAATGACGTT	TCCAGAAATC	CAAGGCATAA	ATGTCCGTAC	ACCGGCCCTT
GGAACGGTTT	TTTACTGCAA	AGGTCTTTAG	GTTCCGTATT	TACAGGCATG	TGGCCGGGAA
970	980	990	1000	1010	1020
CCCAACACGG	AGTTTGAGAT	TCCAAGCAGG	AGAGAAGATC	ATGGTGTGGA	TATGGCTCGG
GGGTTGTGCC	TCAAACCTCTA	AGGTTCTGTC	TCTCTTCTAG	TACCACACCT	ATACCGAGCC

Fig. 1A (SEQ ID NO: 1)

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1030	1040	1050	1060	1070	1080
CATCGGGCTC	CTCGGCGGTA	CCGGACTGGC	TTCCCTGGTC	CTGGCCATTT	CCTTATTTAC
GTAGCCCGAG	GAGCCGCCAT	GGCCTGACCG	AAGGGACCAG	GACCGGTAAA	GGAATAAATG
1090	1100	1110	1120	1130	1140
CCAGCGCCGA	GGCCGCAAGC	GATCCGACGA	GACTTCGTCT	CGAGGCCGGC	TCCCGGGTGC
GGTCGCGGCT	CCGGCGTTTC	CTAGGCTGCT	CTGAAGCAGC	GCTCCGGCCG	AGGGCCCACG
1150	1160	1170	1180	1190	1200
TGCTTCTGAT	AAGCGTGGTG	CCTGCGCGTG	CTGCTATCGA	AATCCGAAAG	AAGACGTCGT
ACGAAGACTA	TTCGCACCAC	GGACGCGCAC	GACGATAGCT	TTAGGCTTTC	TTCTGCAGCA
1210	1220	1230	1240	1250	1260
CGAGCCGCTG	GATCTGGAAC	TGGGGCTCAT	GCGGGTGGAC	ACCCACCCGC	CGACGCCGCA
GCTCGGCGAC	CTAGACCTTG	ACCCCGAGTA	CGCCACCTG	TGGGTGGGCG	GCTGCGGCGT
1270	1280	1290	1300	1310	1320
GGTGCCGCGG	TGTACGTCGC	TCTACATAGG	AGAGGATGGT	CTGCCGATAG	ATAAACCCGA
CCACGGCGCC	ACATGCAGCG	AGATGTATCC	TCTCCTACCA	GACGGCTATC	TATTTGGGCT
1330	1340	1350	1360	1370	1380
GTTTCCTCCG	GCGCGGTTTC	AGATCCCCGA	CGTATCCACG	CCGGGAACGC	CGACCAGCAT
CAAAGGAGGC	CGCGCCAAGC	TCTAGGGGCT	GCATAGGTGC	GGCCCTTGCG	GCTGGTCGTA
1390	1400	1410	1420	1430	1440
CGGCCGATCT	CCGTCGCATT	GCTCCTCGTC	GAGCTCTTTG	TCGTCCTCGA	CCAGCGTCGA
GCCGGCTAGA	GGCAGCGTAA	CGAGGAGCAG	CTCGAGAAAC	AGCAGGAGCT	GGTCGCAGCT
1450	1460	1470	1480	1490	1500
CACGGTGCTG	TATCAGCCGC	CGCCATCCTG	GAAGCCACCT	CCGCCGCCCG	GGCGCAAGAA
GTGCCACGAC	ATAGTCGGCG	GCGGTAGGAC	CTTCGGTGGA	GGCGGCGGGC	CCGCGTTCTT
1510	1520	1530	1540	1550	1560
GCGGCCGCGC	ACGCCGCGCG	TCCGGGGCCC	CACCACGCGG	CTGTCGTGCG	ACAGACCCCC
CGCCGGCGGA	TGCGGCGGCC	AGGCCCGGGG	GTGGTGCGCC	GACAGCAGCG	TGTCTGGGGG
1570	1580	1590	1600	1610	1620
GACGCCGATA	CCCGCGCCGC	GTAAGAACCT	GAGCACGCCG	CCCACCAAGA	AAACGCCCGC
CTGCGGCTAT	GGGCGCGGCG	CATTCTTGGA	CTCGTGCGGC	GGGTGGTTCT	TTTGCGGCGG
1630	1640	1650	1660	1670	1680
GCCCCGAAAA	CCCAAGCCGG	TCGGCTGGAC	ACCGCCGGTG	ACACCCAGGC	CCTTCCCGAA
CGGGTGCTTT	GGGTTCGGCC	AGCCGACCTG	TGGCGGCCAC	TGTGGGTCCG	GGAAGGGCTT
1690	1700	1710	1720	1730	1740
AACGCCGACG	CCACAAAAGC	CGCCGCGGAA	TCCGAGACTA	CCGCGCACCG	TCGGTCTGGA
TTGCGGCTGC	GGTGTTTTCG	GCGGCGCCTT	AGGCTCTGAT	GGCGCGTGGC	AGCCAGACCT
1750	1760	1770	1780	1790	1800
GAATCTCTCG	AAGGTGGGAC	TCTCGTGTCC	CTGTCCCCGA	CCCCGCACGC	CGACGGAGCC
CTTAGAGAGC	TTCCACCCTG	AGAGCACAGG	GACAGGGGCT	GGGGCGTGCG	GCTGCCTCGG
1810	1820	1830	1840	1850	1860
GACCACGCTG	CCTATCGTGT	CGGTTTCCGA	GCTAGCCCCG	CCTCCTCGAT	GGTCGGACAT
CTGGTGCGAC	GGATAGCACA	GCCAAAGGCT	CGATCGGGGC	GGAGGAGCTA	CCAGCCTGTA
1870	1880	1890	1900	1910	1920
CGAGGAACTC	TTGGAACAGG	CGGTGCAGAG	CGTCATGAAG	GACGCCGAGT	CGATGCAGAT
GCTCCTTGAG	AACCTTGTC	GCCACGTCTC	GCAGTACTTC	CTGCGGCTCA	GCTACGTCTA
1930	1940	1950	1960	1970	1980
GACCTGAGAC	CGAAAGAGCG	AGCGCGTCCG	TTGTACAGTT	GTATAGCAGC	ACACGCCTTC
CTGGACTCTG	GCTTTCTCGC	TCGCGCAGGC	AACATGTCAA	CATATCGTCG	TGTGCGGAAG
1990	2000	2010	2020	2030	2040
CCTCTTTTTT	ACCGCAGCTA	AGAGAGAGAA	AGAGAGTATG	TCAGTCAAGG	GCGTGGAGAT
GGAGAAAAAG	TGGCGTCGAT	TCTCTCTCTT	TCTCTCATAC	AGTCAGTTCC	CGCACCTCTA

Fig. 1B (SEQ ID NO: 1)

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2050	2060	2070	2080	2090	2100
GCCAGAAATG	ACGTGGGACT	TGGACGTTAG	AAATAAATGG	CGGCGTCGAA	AGGCCCTGAG
CGGTCTTTAC	TGCACCCTGA	ACCTGCAATC	TTTATTATTACC	GCCGCAGCTT	TCCGGGACTC
2110	2120	2130	2140	2150	2160
TCGCATTAC	CGGTTCTGGG	AATGTCGGCT	ACGGGTGTGG	TGGCTGAGTG	ACGCCGGCGT
AGCGTAAGTG	GCCAAGACCC	TTACAGCCGA	TGCCCCACACC	ACCGACTCAC	TGCGGCCGCA
2170	2180	2190	2200	2210	2220
AAGAGAAACC	GACCCACCGC	GTCCCCGACG	CCGCCCCGACT	TGGATGACCG	CGGTGTTTCA
TTCTCTTTGG	CTGGGTGGCG	CAGGGGCTGC	GGCGGGCTGA	ACCTACTGGC	GCCACAAAGT
2230	2240	2250	2260	2270	2280
CGTTATCTGT	GCCGTTTTTG	TTACGCTTAT	GATTATGGCC	ATCGGCGCGC	TCATCGCGTA
GCAATAGACA	CGGCAAAACG	AATGCGAATA	CTAATACCGG	TAGCCGCGCG	AGTAGCGCAT
2290	2300	2310	2320	2330	2340
CTTAAGATAT	TACCACCAGG	ACAGTTGGCG	AGACATGCTC	CACGATCTAT	TTTGCGGCTG
GAATTCTATA	ATGGTGGTCC	TGTCAACCGC	TCTGTACGAG	GTGCTAGATA	AAACGCCGAC
2350	2360	2370	2380	2390	2400
TCATTATCCC	GAGAAGTGCC	GTCGGCACCA	CGAGCGGCAC	AGAAGGAGAC	GGCAAGCCAT
AGTAATAGGG	CTCTTCACGG	CAGCCGTGGT	GCTCGCCGTC	TCTTCCTCTG	CCGTTCCGGTA
2410	2420	2430	2440	2450	2460
GGATGTGCCC	GACCCGGAAC	TCGGCGACCC	GGCCCGCCGG	CCGTTGAACG	GAGCTATGTA
CCTACACGGG	CTGGGCCTTG	AGCCGCTGGG	CCGGGCGGCC	GGCAACTTGC	CTCGATACAT
2470	2480	2490	2500	2510	2520
CTACGGCAGC	GGCTGTGCT	TCGACACGGT	GGAAATGGTG	GACGAGACGA	GACCCGCGCC
GATGCCGTCG	CCGACAGCGA	AGCTGTGCCA	CCTTTACCAC	CTGCTCTGCT	CTGGGCGCGG
2530	2540	2550	2560	2570	2580
GCCGGCGCTG	TCATCGCCCG	AAACCGGCGA	CGATAGCAAC	GACGACGCGG	TTGCCGGCGG
CGGCCGCGAC	AGTAGCGGGC	TTTGGCCGCT	GCTATCGTTG	CTGCTGCGCC	AACGGCCGCC
2590	2600	2610	2620	2630	2640
AGGTGCTGGC	GGGGTAACAT	CACCCGCGAC	TCGTACGACG	TCGCCGAACG	CACTGCTGCC
TCCACGACCG	CCCCATTGTA	GTGGGCGCTG	AGCATGCTGC	AGCGGCTTGC	GTGACGACGG
2650	2660	2670	2680	2690	2700
AGAATGGATG	GATGCGGTGC	ATGTGGCGGT	CCAAGCCGCC	GTTCAAGCGA	CCGTGCAAGT
TCTTACCTAC	CTACGCCACG	TACACCGCCA	GGTTCGCGCG	CAAGTTCGCT	GGCACGTTCA
2710	2720	2730	2740	2750	2760
AAGTGGCCCG	CGGGAGAACG	CCGTATCTCC	CGCTACGTAA	GAGGGTTGAG	GGGGCCGTTT
TTACCGGGGC	GCCCTCTTGC	GGCATAGAGG	GCGATGCATT	CTCCCAACTC	CCCCGGCAAG
2770	2780	2790	2800	2810	2820
CCGCGCGAGT	GCTGTACAAA	AGAGAGAGAC	TGGGACGTAG	ATCCGGACAG	AGGACGGTCA
GGCGCGCTCA	CGACATGTTT	TCTCTCTCTG	ACCCTGCATC	TAGGCCTGTC	TCCTGCCAGT
2830	2840	2850	2860	2870	2880
CCATGGACGA	TCTGCCGCTG	AATGTCGGGT	TACCCATCAT	CGGCGTGATG	CTCGTGCTGA
GGTACCTGCT	AGACGGCGAC	TTACAGCCCA	ATGGGTAGTA	GCCGCACTAC	GAGCACGACT
2890	2900	2910	2920	2930	2940
TCGTGGCCAT	CCTCTGCTAT	CTGGCTTACC	ACTGGCACGA	CACCTTCAAA	CTGGTGCGCA
AGCACCGGTA	GGAGACGATA	GACCGAATGG	TGACCGTGCT	GTGGAAGTTT	GACCACGCGT
2950	2960	2970	2980	2990	3000
TGTTTCTGAG	CTACCGCTGG	CTGATCCGCT	GTTGCGAGCT	GTACGGGGAG	TACGAGCGCC
ACAAAGACTC	GATGGCGACC	GACTAGGCGA	CAACGCTCGA	CATGCCCTC	ATGCTCGCGG
3010	3020	3030	3040	3050	3060
GGTTCGCGGA	CCTGTCTGCT	CTGGGCCTCG	GCGCCGTACG	GCGGGAGTCG	GACAGACGAT
CCAAGCGCCT	GGACAGCAGA	GACCCGGAGC	CGCGGCATGC	CGCCCTCAGC	CTGTCTGCTA

Fig. 1C (SEQ ID NO: 1)

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3070	3080	3090	3100	3110	3120
ACCGTTTCTC	CGAACGGCCC	GACGAGATCT	TGGTCCGTG	GGAGGAAGTG	TCTTCCCAGT
TGGCAAAGAG	GCTTGCCGGG	CTGCTCTAGA	ACCAGGCAAC	CCTCCTTCAC	AGAAGGGTCA
3130	3140	3150	3160	3170	3180
GCAGCTACGC	GTCGTGCGCG	ATAACAGACC	GCCGTGTGGG	TTCATCGTCT	TCGTGCTCGG
CGTCGATGCG	CAGCAGCGCC	TATTGTCTGG	CGGCACACCC	AAGTAGCAGA	AGCAGCAGCC
3190	3200	3210	3220	3230	3240
TCCACGTGCG	TAGCCAGAGA	AACAGCGTGC	CTCCGCCGGA	CATGGCGGTG	ACGGCGCCGC
AGGTGCAGCG	ATCGGTCTCT	TTGTCGCACG	GAGGCGGCCT	GTACCGCCAC	TGCCGCGGCG
3250	3260	3270	3280	3290	3300
TGACCGACGT	CGATCTGTTG	AAACCCGTGA	CGGGATCCGC	GACGCAGTTC	ACCACCGTAG
ACTGGCTGCA	GCTAGACAAC	TTTGGGCACT	GCCCTAGGCG	CTGCGTCAAG	TGGTGGCATC
3310	3320	3330	3340	3350	3360
CCATGGTACA	TTATCATCAA	GAGTACACGT	GAATGAGAAA	AAGAAAAAAG	AGGGGAGCGG
GGTACCATGT	AATAGTAGTT	CTCATGTGCA	CTTACTCTTT	TTCTTTTTTC	TCCCCCTCGC
3370	3380	3390	3400	3410	3420
ATCGCGATAA	TGTCGCTTTG	ACATTCTCTG	CTCGATCTAC	TCAGCGTCTG	CACGAAACGG
TAGCGCTATT	ACAGCGAAAC	TGTAAGAGAC	GAGCTAGATG	AGTCGCAGAC	GTGCTTTGCC
3430	3440	3450	3460	3470	3480
CATCCGCACG	GAGGCGAGCC	CAAGCGTATC	TGCAGCAAGC	GGTTCTTTCC	CTCGGTGATG
GTAGGCGTGC	CTCCGCTCGG	GTTTCGCATAG	ACGTCGTTCG	CCAAGAAAGG	GAGCCACTAC
3490	3500	3510	3520	3530	3540
GTGGCAGCAT	CGGTGGCGGG	AGCTTGTTTCG	GACGATGGAC	GGTGAGGAGT	CCCTGGCGAT
CACCGTCGTA	GCCACCGCCC	TCGAACAAGC	CTGCTACCTG	CCACTCCTCA	GGGACCGCTA
3550	3560	3570	3580	3590	3600
CAGGCGGCTC	CCGGGTGTGG	AGTTCAACGG	GTGGTAATGG	TGGCGGTGAT	CGGTGTTAGA
GTCCGCCGAG	GGCCACACC	TCAAGTTGCC	CACCATTACC	ACGCCACTA	GCCACAATCT
3610	3620	3630	3640	3650	3660
AAACGGTGGC	CCTGGCAAAC	ATATATCTAC	TGTAAACCCT	CTGCTCTGTT	AATAAAAAGC
TTTGCCACCG	GGACCGTTTG	TATATAGATG	ACATTTGGGA	GACGAGACAA	TTATTTTTCG
3670	3680	3690	3700	3710	3720
ACACTTTTCA	CATGAGTTTCG	TAATTTTATT	GTGTAGTGGA	AATTTTTACG	TCATTGGGAA
TGTGAAAAGT	GTAATCAAGC	ATTAAAAATA	CACATCACCT	TTAAAAATGC	AGTAACCCTT
3730	3740	3750	3760	3770	3780
ACCCAGAAAT	GAAAAGAGTAT	AATGTGCATA	TCACCGGGGG	TTCCCTGTCA	GTACGAATGT
TGGGGTCTTA	CTTTCTCATA	TTACACGTAT	AGTGCCCCC	AAGGGACAGT	CATGCTTACA
3790	3800	3810	3820	3830	3840
ACACAACGCG	GGTTACATTA	CGATAAACTT	TCCGGTAAAA	CGATGCCGAT	ACAGCGTGTA
TGTGTTGCGC	CCAATGTAAT	GCTATTTGAA	AGGCCATTTT	GCTACGGCTA	TGTCGCACAT
3850	3860	3870	3880	3890	3900
TAACGCTGAT	TGTTACGACA	AACGAGTTGG	TATATCCATT	ATATAGTAAC	GAACATGCTG
ATTGCGACTA	ACAATGCTGT	TTGCTCAACC	ATATAGGTAA	TATATCATTG	CTTGTACGAC
3910	3920	3930	3940	3950	3960
TGGATATTAG	TTTTATTTGC	ACTCGCCGCA	TCGGCGAGTG	AAACCACTAC	AGGTACCAGC
ACCTATAATC	AAAATAAACG	TGAGCGGCGT	AGCCGCTCAC	TTTGGTGATG	TCCATGGTCG
3970	3980	3990	4000	4010	4020
TCTAATTCCA	GTCAATCTAC	TAGTGCTACC	GCCAACACGA	CCGTATCGAC	ATGTATTAAAT
AGATTAAGGT	CAGTTAGATG	ATCACGATGG	CGGTTGTGCT	GGCATAGCTG	TACATAATTA
4030	4040	4050	4060	4070	4080
GCCTCTAACG	GCAGTAGCTG	GACAGTACCA	CAGCTCGCGC	TGCTTGCCGC	TAGCGGCTGG
CGGAGATTGC	CGTCATCGAC	CTGTCATGGT	GTCGAGCGCG	ACGAACGGCG	ATCGCCGACC

Fig. 1D (SEQ ID NO: 1)

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4090	4100	4110	4120	4130	4140
ACATTATCTG	GACTCCTTCT	CTTATTTACC	TGCTGCTTTT	GCTGCTTTTG	GCTAGTACGT
TGTAATAGAC	CTGAGGAAGA	GAATAAATGG	ACGACGAAAA	CGACGAAAAAC	CGATCATGCA
4150	4160	4170	4180	4190	4200
AAAATCTGCA	GCTGCTGCGG	CAACTCCTCC	GAGTCAGAGA	GCAAAACAAC	CCACGCGTAC
TTTTAGACGT	CGACGACGCC	GTTGAGGAGG	CTCAGTCTCT	CGTTTTGTGTG	GGTGCGCATG
4210	4220	4230	4240	4250	4260
ACCAATGCCG	CATTCACTTC	TTCCGACGCA	ACGTTACCCA	TGGGCACTAC	AGGGTCGTAC
TGGTTACGGC	GTAAGTGAAG	AAGGCTGCGT	TGCAATGGGT	ACCCGTGATG	TCCCAGCATG
4270	4280	4290	4300	4310	4320
ACTCCCCCAC	AGGACGGCTC	ATTTCCACCT	CCGCCTCGGT	GACGTAGGCT	AAACCGAAAC
TGAGGGGGTG	TCCTGCCGAG	TAAAGGTGGA	GGCGGAGCCA	CTGCATCCGA	TTTGGCTTTG
4330	4340	4350	4360	4370	4380
CCACGTTGAA	CCTAACGCGG	TTTCGGAAGG	CCTGAGACGT	CACTTTTACA	ATGACGTCCG
GGTGCAACTT	GGATTGCGCC	AAAGCCTTCC	GGACTCTGCA	GTGAAAGTGT	TACTGCAGGC
4390	4400	4410	4420	4430	4440
TATACACGTT	CATCATAAAA	CACCGTAGAG	GCTAAGGCTT	CGGTAGGGAG	AGACCTCAAC
ATATGTGCAA	GTAGTATTTT	GTGGCATCTC	CGATTCCGAA	GCCATCCCTC	TCTGGAGTTG
4450	4460	4470	4480	4490	4500
TGTTCTTGAT	GAGCACCCGT	GCTCTCATCT	CTTCAGACTT	GTCATGACCC	CCGCTCAGAC
ACAAGGACTA	CTCGTGGGCA	CGAGAGTAGA	GAAGTCTGAA	CAGTACTGGG	GGCGAGTCTG
4510	4520	4530	4540	4550	4560
TAACGCGACT	ACCACCGTGC	ACCCGCACGA	CGCAAAAAAC	GGCAGCGGCG	GTAGTGCCCT
ATTGCGCTGA	TGGTGGCACG	TGGGCGTGCT	GCGTTTTTTG	CCGTCGCCGC	CATCACGGGA
4570	4580	4590	4600	4610	4620
GCCGACCCTC	GTCGTTTTTCG	GCTTTATCGT	TACGCTACTT	TTCTTTCTCT	TTATGCTCTA
CGGCTGGGAG	CAGCAAAAGC	CGAAATAGCA	ATGCGATGAA	AAGAAAAGAGA	AATACGAGAT
4630	4640	4650	4660	4670	4680
CTTTTGGAAC	AACGACGTGT	TCCGTAAGCT	GCTCCGTGCG	CTTGGATCCA	GCGCTGTTGC
GAAAACCTTG	TTGCTGCACA	AGGCATTGCA	CGAGGCACGC	GAACCTAGGT	CGCGACAACG
4690	4700	4710	4720	4730	4740
GACCGCTTCG	ACGCGTGGCA	AGACGAGGTC	ATCTACCGTC	GTCCATCACG	TCGTTCCCAG
CTGGCGAAGC	TGCGCACCGT	TCTGCTCCAG	TAGATGGCAG	CAGGTAGTGC	AGCAAGGGTC
4750	4760	4770	4780	4790	4800
AGCGACGACG	AGAGTCGTAC	TAACAGCGTG	TCATCGTACG	TTCTTTTATC	ACCCGCGTCC
TCGCTGCTGC	TCTCAGCATG	ATTGTGCGAC	AGTAGCATGC	AAGAAAATAG	TGGGCGCAGG
4810	4820	4830	4840	4850	4860
GATGGCGGTT	TTGACAACCC	GGCACTGACA	GAGGCCGTCG	ACAGCGTGGA	CGACTGGGCG
CTACCGCCAA	AACTGTTGGG	CCGTGACTGT	CTCCGGCAGC	TGTCGCACCT	GCTGACCCGC
4870	4880	4890	4900	4910	4920
ACCACCTCGG	TTTTCTACGC	CACGTCCGAC	GAAACGGCGG	ACGCCGAGCG	CCGAGACTCG
TGGTGGAGCC	AAAAGATGCG	GTGCAGGCTG	CTTTGCCGCC	TGCGGCTCGC	GGCTCTGAGC
4930	4940	4950	4960	4970	4980
CAGCAACTGC	TCATCGAGCT	TCCGCCGGAG	CCGCTCCCCG	CCGACGTGGT	GGCGGCCATG
GTCGTTGACG	AGTAGCTCGA	AGGCGGCCTC	GGCGAGGGCG	GGCTGCACCA	CCGCCGGTAC
4990	5000	5010	5020	5030	5040
CAGAAAGCAG	TGAAACGCGC	TGTACAGAAC	GCACTACGAC	ACAGCCACGA	CTCTTGGCAG
GTCCTTTCGT	ACTTTGCGCG	ACATGTCTTG	CGTGATGCTG	TGTCGGTGCT	GAGAACCGTC
5050	5060	5070	5080	5090	5100
CTTCATCAGA	CCCTGTGACG	CCAGATGAAC	GTTCCTTCTT	AAACATCCGA	GGTAGCAATG
GAAGTAGTCT	GGGACACTGC	GGTCTACTTG	CAAGGAAGAA	TTTGTAGGCT	CCATCGTTAC

Fig. 1E (SEQ ID NO: 1)

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5110	5120	5130	5140	5150	5160
AGACAGGTCG	CGTACCGCCG	GCGACGCGAG	AGTTCCCTGCG	CGGTGCTGGT	CCACCACGTC
TCTGTCCAGC	GCATGGCGGC	CGCTGCGCTC	TCAAGGACGC	GCCACGACCA	GGTGGTGCAG
5170	5180	5190	5200	5210	5220
GGCCGCGACG	GCGACGGCGA	GGGGGAGGCA	GCAAAAAAGA	CCTGCAAAAA	AACCGGACGC
CCGGCGCTGC	CGCTGCCGCT	CCCCCTCCGT	CGTTTTTTCT	GGACGTTTTT	TTGGCCTGCG
5230	5240	5250	5260	5270	5280
TCAGTTGCGG	GCATCCCGGG	CGAGAAGCTG	CGTCGCACGG	TGGTCACCAC	CACGCCGGCC
AGTCAACGCC	CGTAGGGCCC	GCTCTTCGAC	GCAGCGTGCC	ACCACTGGTG	GTGCGGCCGG
5290	5300	5310	5320	5330	5340
CGACGTTTTGA	GCGGCCGACA	CACGGAGCAG	GAGCAGGCGG	GCATGCGTCT	CTGTGAAAAA
GCTGCAAACT	CGCCGGCTGT	GTGCCTCGTC	CTCGTCCGCC	CGTACGCAGA	GACACTTTTT
5350	5360	5370	5380	5390	5400
GGGAAGAAAA	GAATCATCAT	GTGCCGCCGG	GAGTCGCTCC	GAACTCTGCC	GTGGCTGTTC
CCCTTCTTTT	CTTAGTAGTA	CACGGCGGCC	CTCAGCGAGG	CTTGAGACGG	CACCGACAAG
5410	5420	5430	5440	5450	5460
TGGGTGCTGT	TGAGCTGCCC	GCGACTCCTC	GAATATTCTT	CCTCTTCGTT	CCCCTTCGCC
ACCCACGACA	ACTCGACGGG	CGCTGAGGAG	CTTATAAGAA	GGAGAAGCAA	GGGAAGCGCG
5470	5480	5490	5500	5510	5520
ACCGCTGACA	TTGCCGAAAA	GATGTGGGCC	GAGAATTATG	AGACCACGTC	GCCGGCGCCG
TGGCGACTGT	AACGGCTTTT	CTACACCCGG	CTCTTAATAC	TCTGGTGCAG	CGGCCGCGGC
5530	5540	5550	5560	5570	5580
GTGTTGGTCG	CCGAGGGAGA	GCAAGTTACC	ATCCCCTGCA	CGGTCATGAC	ACACTCCTGG
CACAACCAGC	GGCTCCCTCT	CGTTCAATGG	TAGGGGACGT	GCCAGTACTG	TGTGAGGACC
5590	5600	5610	5620	5630	5640
CCCATGGTCT	CCATTGCGCG	ACGTTTCTGT	CGTTCCACG	ACGGCAGCGA	CGAGCTCATC
GGGTACCAGA	GGTAAGCGCG	TGCAAAGACA	GCAAGGGTGC	TGCCGTCGCT	GCTCGAGTAG
5650	5660	5670	5680	5690	5700
CTGGACGCCG	TCAAAGGCCA	TCGGCTGATG	AACGGACTCC	AGTACCGCCT	GCCGTACGCC
GACCTGCGGC	AGTTTCCGGT	AGCCGACTAC	TTGCCTGAGG	TCATGGCGGA	CGGCATGCGG
5710	5720	5730	5740	5750	5760
ACTTGGAATT	TCTCGCAATT	GCATCTCGGC	CAAATATTCT	CGCTTACTTT	TAACGTATCG
TGAACCTTAA	AGAGCGTTAA	CGTAGAGCCG	GTTTATAAGA	GCGAATGAAA	ATTGCATAGC
5770	5780	5790	5800	5810	5820
ATGGACACAG	CCGGCATGTA	CGAATGCGTG	CTACGCAACT	ACAGCCACGG	CCTCATCATG
TACCTGTGTC	GGCCGTACAT	GCTTACGCAC	GATGCGTTGA	TGTCGGTGCC	GGAGTAGTAC
5830	5840	5850	5860	5870	5880
CAACGCTTCG	TAATTCTCAC	GCAGCTGGAG	ACGCTCAGCC	GGCCCGACGA	ACCTTGCTGC
GTTGCGAAGC	ATTAAGAGTG	CGTCGACCTC	TGCGAGTCGG	CCGGGCTGCT	TGGAACGACG
5890	5900	5910	5920	5930	5940
ACACCGGCGT	TAGGTCGCTA	CTCGCTGGGA	GACCAGATCT	GGTCGCCGAC	GCCCTGGCGT
TGTGGCCGCA	ATCCAGCGAT	GAGCGACCCT	CTGGTCTAGA	CCAGCGGCTG	CGGGACCGBA
5950	5960	5970	5980	5990	6000
CTACGGAATC	ACGACTGCGG	AACGTACCGC	GGCTTTCAAC	GCAACTACTT	CTATATCGGC
GATGCCTTAG	TGCTGACGCC	TTGCATGGCG	CCGAAAGTTG	CGTTGATGAA	GATATAGCCG
6010	6020	6030	6040	6050	6060
CGCGCCGACG	CCGAGGATTG	CTGGAAACCC	GCATGTCCGG	ACGAGGAACC	CGACCGCTGT
GCGCGGCTGC	GGCTCCTAAC	GACCTTTGGG	CGTACAGGCC	TGCTCCTTGG	GCTGGCGACA
6070	6080	6090	6100	6110	6120
TGGACAGTGA	TACAGCGTTA	CCGGCTCCCC	GGCGACTGCT	ACCGTTTCGA	GCCACACCCG
ACCTGTCACT	ATGTCGCAAT	GGCCGAGGGG	CCGCTGACGA	TGGCAAGCGT	CGGTGTGGGC

Fig. 1F (SEQ ID NO: 1)

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6130	6140	6150	6160	6170	6180
CCGAAATTTT	TACCGGTGAC	GCCAGCACCG	CCGGCCGACA	TAGACACCGG	GATGTCTCCC
GGCTTTAAAA	ATGGCCACTG	CGGTCGTGGC	GGCCGGCTGT	ATCTGTGGCC	CTACAGAGGG
6190	6200	6210	6220	6230	6240
TGGGCCACTC	GGGGAATCGC	GGCGTTTTTG	GGGTTTGGGA	GTATTTTAC	CGTATGTTTC
ACCCGGTGAG	CCCCTTAGCG	CCGCAAAAC	CCCAAAACCT	CATAAAATG	GCATACAAAG
6250	6260	6270	6280	6290	6300
CTATGCTACC	TGTGTTATCT	GCAGTGTTGT	GGACGCTGGT	GTCCCACGCC	GGGAAGGGGA
GATACGATGG	ACACAATAGA	CGTCACAACA	CCTGCGACCA	CAGGGTGCGG	CCCTTCCCCT
6310	6320	6330	6340	6350	6360
CGACGAGGCG	GTGAGGGCTA	TCGACGCCTA	CCGACTTACG	ATAGTTACCC	CGGTGTTAGA
GCTGCTCCGC	CACTCCCGAT	AGCTGCGGAT	GGCTGAATGC	TATCAATGGG	GCCACAATCT
6370	6380	6390	6400	6410	6420
AAGATGAAGA	GGTGAGAACA	CGTATAAAAT	AAAAAAATAA	TATGTTAAAA	AATGCAGTGT
TTCTACTTCT	CCACTCTTGT	GCATATTTTA	TTTTTTTATT	ATACAATTTT	TTACGTCACA
6430	6440	6450	6460	6470	6480
GTGAAGTGTG	AATAGTGTGA	TTAAAAATATG	CGGATTGAAT	GGGTGTGGTG	GTTATTCGGA
CACTTCACAC	TTATCACACT	AATTTTATAC	GCCTAACTTA	CCCACACCAC	CAATAAGCCT
6490	6500	6510	6520	6530	6540
TACTTTGTGT	CATCCGTTGG	GAGCGAACGG	TCATTATCCT	ATCGTTACCA	CTTGGAATCT
ATGAAACACA	GTAGGCAACC	CTCGCTTGCC	AGTAATAGGA	TAGCAATGGT	GAACCTTAGA
6550	6560	6570	6580	6590	6600
AATTCATCTA	CCAACGTGGT	TTGCAACGGA	AACATTCCG	TGTTTGTAAG	CGGCACCCTA
TTAAGTAGAT	GGTTGCACCA	AACGTTGCCT	TTGTAAAGGC	ACAAACATTT	GCCGTGGGAT
6610	6620	6630	6640	6650	6660
GGTGTGCGGT	ATAACATTAC	GGTAGGAATC	AGTTCGTCTT	TATTAATAGG	ACACCTTACT
CCACACGCCA	TATTGTAATG	CCATCCTTAG	TCAAGCAGAA	ATAATTATCC	TGTGGAATGA
6670	6680	6690	6700	6710	6720
ATACAAGTAT	TGGAATCATG	GTTACACCCC	TGGGTCCAAA	ATAAAAGTTA	CAACAAACAA
TATGTTTATA	ACCTTAGTAC	CAAGTGTGGG	ACCCAGGTTT	TATTTTCAAT	GTTGTTTGT
6730	6740	6750	6760	6770	6780
CCCCTAGGTG	ACACTGAAAC	GCTTTATAAT	ATAGATAGCG	AAAACATTCA	TCGCGTATCT
GGGGATCCAC	TGTGACTTTG	CGAAATATTA	TATCTATCGC	TTTTGTAAAGT	AGCGCATAGA
6790	6800	6810	6820	6830	6840
CAATATTTTC	ACACAAGATG	GATAAAATCT	CTGCAAGAGA	ATCACACTTG	CGACCTCACA
GTTATAAAAG	TGTGTTCTAC	CTATTTTAGA	GACGTTCTCT	TAGTGTGAAC	GCTGGAGTGT
6850	6860	6870	6880	6890	6900
AACAGTACAC	CTACCTATAC	ATATCAAGTA	AACGTGAACA	ACACGAATTA	CCTAACACTA
TTGTCATGTG	GATGGATATG	TATAGTTCAT	TTGCACTTGT	TGTGCTTAAT	GGATTGTGAT
6910	6920	6930	6940	6950	6960
ACATCCTCGG	GATGGCAAGA	CCGTCTAAAT	TACACCGTCA	TAAATAGTAC	ACACTTTAAC
TGTAGGAGCC	CTACCGTTCT	GGCAGATTTA	ATGTGGCAGT	ATTTATCATG	TGTGAAATTG
6970	6980	6990	7000	7010	7020
CTCACAGAAT	CGAACATAAC	CAGCATTCAA	AAATATCTCA	ACACTACCTG	CATAGAAAGA
GAGTGTCTTA	GCTTGTATTG	GTCGTAAGTT	TTTATAGAGT	TGTGATGGAC	GTATCTTTCT
7030	7040	7050	7060	7070	7080
CTCCGTAAC	ACACCTTGGA	GTCCGTATAC	ACCACAACCTG	TGCCTCAAAA	CATAACAACA
GAGGCATTGA	TGTGGAACCT	CAGGCATATG	TGGTGTGAC	ACGGAGTTT	GTATTGTTGT
7090	7100	7110	7120	7130	7140
TCTCAACACG	CAACAACCAC	TATGCACACA	ATACCTCCAA	ATACAATAAC	AATTCAAAAT
AGAGTTGTGC	GTTGTTGGTG	ATACGTGTGT	TATGGAGGTT	TATGTTATTG	TTAAGTTTTA

Fig. 1G (SEQ ID NO: 1)

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7150	7160	7170	7180	7190	7200
ACAACTCAAA	GCCATACTGT	ACAGACGCCG	TCTTTTAACG	ACACACATAA	CGTGACGAAA
TGTTGAGTTT	CGGTATGACA	TGTCTGCGGC	AGAAAAATTG	TGTGTGTATT	GCACTGCTTT
7210	7220	7230	7240	7250	7260
CACACGTAA	ACATAAGCTA	CGTTTTATCA	CAAAAAACGA	ATAACACAAC	ATCACCGTGG
GTGTGCAATT	TGTATTGAT	GCAAAATAGT	GTTTTTTGCT	TATTGTGTTG	TAGTGGCACC
7270	7280	7290	7300	7310	7320
ATATATGCCA	TACCTATGGG	CGCTACAGCC	ACAATAGGCG	CCGGTTTATA	TATCGGGAAA
TATATACGGT	ATGGATACCC	GCGATGTCCG	TGTTATCCGC	GGCCAAATAT	ATAGCCCTTT
7330	7340	7350	7360	7370	7380
CACTTTACGC	CGGTTAAGTT	CGTATACGAG	GTATGGCGCG	GTCAGTAAAG	ACGATTCCGA
GTGAAATGCG	GCCAATTCAA	GCATATGCTC	CATACCGCGC	CAGTCATTTC	TGCTAAGCCT
7390	7400	7410	7420	7430	7440
TTCAACACAT	ATACTCCCCA	CGATCCTCGA	ACACCTTACA	GCATATGAGC	AAAAAACGAA
AAGTTGTGTA	TATGAGGGGT	GCTAGGAGCT	TGTGGAATGT	CGTATACTCG	TTTTTTGTTC
7450	7460	7470	7480	7490	7500
AAAGTATAGC	CACAATCACA	TTTGGGCGAA	TAACATGCTG	TCATCCACTA	GCGTCTATTA
TTTCATATCG	GTGTTAGTGT	AAACCCGCTT	ATTGTACGAC	AGTAGGTGAT	CGCAGATAAT
7510	7520	7530	7540	7550	7560
ATCTAATGTT	TAACGGGAGC	TGTACTGTCA	CCGTTAAAAT	ATCCATGGGA	ATCAACGGGT
TAGATTACAA	ATTGCCCTCG	ACATGACAGT	GGCAATTTTA	TAGGTACCCT	TAGTTGCCCA
7570	7580	7590	7600	7610	7620
CAACCAACGT	CCATCAGCTT	GTGATTGTGC	TCCATCTGGG	TAACCGCTGT	CAGCCTTGGC
GTTGGTTGCA	GGTAGTCGAA	CACTAACACG	AGGTAGACCC	ATTGGCGACA	GTCGGAACCG
7630	7640	7650	7660	7670	7680
GACAGGTGTA	ATCACAGCTG	TCACATAACT	CACGAAGCCT	CCAATCACAG	CAGCACACAT
CTGTCCACAT	TAGTGTGCGC	AGTGTATTGA	GTGCTTCGGA	GGTTAGTGTC	GTCGTGTGTA
7690	7700	7710	7720	7730	7740
AGTCCTAACG	CCATTGGCGT	GTATAAAAGT	TCGGAAAACT	TGACGGTTGT	ACGGCACGAC
TCAGGATTGC	GGTAACCGCA	CATATTTTCA	AGCCTTTTGA	ACTGCCAACA	TGCCGTGCTG
7750	7760	7770	7780	7790	7800
AAATCGATGT	AGTGGTATGT	TTTTCAGCA	GAGACCGTGT	GCGGTCTCTT	AGGTTTCGCTA
TTTAGCTACA	TCACCATACA	AAAAGGTGCT	CTCTGGCACA	CGCCAGAGAA	TCCAAGCGAT
7810	7820	7830	7840	7850	7860
TACTGTGGCT	GGAAACTGGT	TACCTGTGAA	GATGGCTAAC	TATCCTGTTC	TGTCCTGGAA
ATGACACCGA	CCTTTGACCA	ATGGACACTT	CTACCGATTG	ATAGGACAAG	ACAGGACCTT
7870	7880	7890	7900	7910	7920
AAACTTTTGG	CGTCGTAGGT	GGACTTTGCA	GTATGCGGGT	TAGTGAAGTT	ATGTCATTTA
TTTGAAAACC	GCAGCATCCA	CCTGAAACGT	CATACGCCCA	ATCACTTCAA	TACAGTAAAT
7930	7940	7950	7960	7970	7980
TTTACGTTTA	CGATCTCGTA	TTACAAACCG	CGGAGAGGAT	GATACCGTTC	GGCCCCATGA
AAATGCAAAT	GCTAGAGCAT	AATGTTTGGC	GCCTCTCCTA	CTATGGCAAG	CCGGGGTACT
7990	8000	8010	8020	8030	8040
GTTATTTTTA	TTCTTCCGGT	AGGAGGCATG	AAGCCTCTGA	TAATGCTCAT	CTGCTTTGCT
CAATAAAAAAT	AAGAAGGCCA	TCCTCCGTAC	TTCGGAGACT	ATTACGAGTA	GACGAAACGA
8050	8060	8070	8080	8090	8100
GTGATATTAT	TGCAGCTTGG	AGTGACTAA	GTGTGTCAGC	ATAATGAAGT	GCAACTGGGC
CACATAATA	ACGTCGAACC	TCACTGATTT	CACACAGTCG	TATTACTTCA	CGTTGACCCG
8110	8120	8130	8140	8150	8160
AATGAGTGCT	GCCCTCCGTG	TGGTTCGGGA	CAAAGAGTTA	CTAAAGTATG	CACGGATTAT
TTACTCACGA	CGGGAGGCAC	ACCAAGCCCT	GTTTCTCAAT	GATTTTCATAC	GTGCCTAATA

Fig. 1H (SEQ ID NO: 1)

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8170	8180	8190	8200	8210	8220
ACCAGTGTAA	CGTGTACCCC	TTGCCCCAAC	GGCACGTATG	TATCGGGACT	TTACAACTGT
TGGTCACATT	GCACATGGGG	AACGGGGTTG	CCGTGCATAC	ATAGCCCTGA	AATGTTGACA
8230	8240	8250	8260	8270	8280
ACCGATTGCA	CTCAATGTAA	CGTCACTCAG	GTCATGATTG	GTAAGTGCAC	TTCCACCAAT
TGGCTAACGT	GAGTTACATT	GCAGTGAGTC	CAGTACTAAG	CATTGACGTG	AAGGTGGTTA
8290	8300	8310	8320	8330	8340
AATACCGTAT	GCGCACCTAA	GAACCATACG	TACTTTTCCA	CTCCAGGCGT	CCAACATCAC
TTATGGCATA	CGCGTGGAAT	CTTGGTATGC	ATGAAAAGGT	GAGGTCCGCA	GGTTGTAGTG
8350	8360	8370	8380	8390	8400
AAACAACGAC	AGCAAAATCA	TACCGCACAT	ATAACCGTCA	AACAAGGAAA	AAGCGGTCGT
TTTGTTCGTG	TCGTTTTAGT	ATGGCGTGTA	TATTGGCAGT	TTGTTCCCTT	TTGCCAGCA
8410	8420	8430	8440	8450	8460
CATACTCTAG	CCTGGTTGTC	TCTCTTTATC	TTTCTTGTGG	GTATCATACT	TTTAATTCTC
GTATGAGATC	GGACCAACAG	AGAGAAATAG	AAAGAACACC	CATAGTATGA	AAATTAAGAG
8470	8480	8490	8500	8510	8520
TATCTTATAG	CCGCCTATCG	GAGTGAGAGA	TGCCAACAGT	GTTGCTCAAT	CGGCAAAATT
ATAGAATATC	GGCGGATAGC	CTCACTCTCT	ACGGTTGTCA	CAACGAGTTA	GCCGTTTTAA
8530	8540	8550	8560	8570	8580
TTCTACCGCA	CCCTGTAAGC	TTCCTGTTGT	TGTTTTTACA	TCACGGTACG	ATGAAGTCAC
AAGATGGCGT	GGGACATTCG	AAGGACAACA	ACAAAAATGT	AGTGCCATGC	TACTTCAGTG
8590	8600	8610	8620	8630	8640
ACAGATAATT	ACAGATGAGC	TGTTCATATT	TTTTATTATT	TTTTCCAATT	CCTGCACTAA
TGTCTATTAA	TGTCTACTCG	ACAAGTATAA	AAAATAATAA	AAAAGGTAA	GGACGTGATT
8650	8660	8670	8680	8690	8700
AAAAAGAAGC	ACTTTACGGA	ACCGTGTCTG	AGTATCTGTG	GGGAATTTAG	GTACTTTTTG
TTTTTCTTCG	TGAAATGCCT	TGGCACAGAC	TCATAGACAC	CCCTTAAATC	CATGAAAAAC
8710	8720	8730	8740	8750	8760
CCGACGTCAG	GAAAAATAAG	TGTCGCCTAC	ATAAGAGCCC	GGTGCTATCG	TGCTGTCACT
GGCTGCAGTC	CTTTTTATTG	ACAGCGGATG	TATTCTCGGG	CCACGATAGC	ACGACAGTGA
8770	8780	8790	8800	8810	8820
CTTTCTTGTT	GCCTTCGATG	TACGGCGTCC	TGGCTCATTA	CTACTCCTTC	ATCAGTAGCC
GAAAGAACAA	CGGAAGCTAC	ATGCCGCAGG	ACCGAGTAAT	GATGAGGAAG	TAGTCATCGG
8830	8840	8850	8860	8870	8880
CCAGCGTTAT	GGTTAATTTT	AAGCATCATA	ACGCCGTGCA	GCTGTTATGT	GCACGGACCC
GGTCGCAATA	CCAATTAATA	TTCGTAGTAT	TGCGGCACGT	CGACAATACA	CGTGCCTGGG
8890	8900	8910	8920	8930	8940
GAGACGCACT	GCCGGATGGG	AACGTTTAAC	CCATCATGCG	TCGTATCACG	CGAACTACGG
CTCTGCGTGA	CGGCCTACCC	TTGCAAATTG	GGTAGTACGC	AGCATAGTGC	GCTTGATGCC
8950	8960	8970	8980	8990	9000
GGCATACGCC	GTGTTGATGG	CTACATCGCA	AAGAAAGTCC	CTAGTGTTAC	ATCGATACAG
CCGTATGCGG	CACAACTACC	GATGTAGCGT	TTCTTTCAGG	GATCACAATG	TAGCTATGTC
9010	9020	9030	9040	9050	9060
TGCCGTGACA	GCCGTGGCCC	TGCAGCTCAT	GCCTGTTGAG	ATCGTCCGCA	AGCTAGATCA
ACGGCACTGT	CGGCACCGGG	ACGTCGAGTA	CGGACAACTC	TAGCAGGCGT	TCGATCTAGT
9070	9080	9090	9100	9110	9120
GTCGGACTGG	GTGCGGGGTG	CCTGGATCGT	GTCAGAGACT	TTTCCAAC TA	GCGACCCCAA
CAGCCTGACC	CACGCCCCAC	GGACCTAGCA	CAGTCTCTGA	AAAGGTTGAT	CGCTGGGGTT
9130	9140	9150	9160	9170	9180
AGGAGTTTGG	AGCGACGATG	ACTCCTCGAT	GGGTGGAAGT	GATGATTGAT	GATGAGAACC
TCCTCAAACC	TCGCTGCTAC	TGAGGAGCTA	CCCACCTTCA	CTACTAACTA	CTACTCTTGG

Fig. 1I (SEQ ID NO: 1)

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9190	9200	9210	9220	9230	9240
TGACAAGAAA	GACGAGAGAG	AAATTTAGAG	CTGTCAATTGT	AGAATTAGTC	TAGATTCCTG
ACTGTTCTTT	CTGCTCTCTC	TTTAAATCTC	GACAGTAACA	TCTTAATCAG	ATCTAAGGAC
9250	9260	9270	9280	9290	9300
ATAATAAACA	GTATCGATTT	TGAAACCTAA	TTGACGTGTG	ATCGATTTTT	AAACCTCTGT
TATTATTTGT	CATAGCTAAA	ACTTTGGATT	AACTGCACAC	TAGCTAAAAA	TTTGGAGACA
9310	9320	9330	9340	9350	9360
GTTGTGTGAT	TGATTGGTAT	GTGGGGGGAT	CCGATTTCOA	AGGGGGGGTAC	TTATCGGGAA
CAACACACTA	ACTAACCATA	CACCCCCCTA	GGCTAAAGTT	TCCCCCATG	AATAGCCCTT
9370	9380	9390	9400	9410	9420
TTGATGTGTC	ATGGACGCAG	TTTTGAGCGA	TTTTCCGGGA	ATACCGGATA	TTACGAATTA
AACTACACAG	TACCTGCGTC	AAAACTCGCT	AAAAGGCCCT	TATGGCCTAT	AATGCTTAAT
9430	9440	9450	9460	9470	9480
CTGGTAGTGA	CGTAGATAAT	AAAATTATAA	TGCGATTAAT	TTTTGGTGCG	TTGATTATTT
GACCATCACT	GCATCTATTA	TTTAAATATT	ACGCTAATTA	AAAACCACGC	AACTAATAAA
9490	9500	9510	9520	9530	9540
TTTTAGCATA	TGTGTATCAT	TATGAGGTGA	ATGGAACAGA	ATTACGCTGC	AGATGTCTTC
AAAATCGTAT	ACACATAGTA	ATACTCCACT	TACCTTGTCT	TAATGCGACG	TCTACAGAAG
9550	9560	9570	9580	9590	9600
ATAGAAAATG	GCCGCCTAAT	AAAATTATAT	TGGGTAATTA	TTGGCTTCAT	CGCGATCCCA
TATCTTTTAC	CGGCGGATTA	TTTTAATATA	ACCCATTAAT	AACCGAAGTA	GCGCTAGGGT
9610	9620	9630	9640	9650	9660
GAGGGCCCCG	ATGCGATAAA	AATGAACATT	TATTGTATCC	AGACGGAAGG	AAACCGCCTG
CTCCCGGGCC	TACGCTATTT	TTACTTGTA	ATAACATAGG	TCTGCCTTCC	TTTGGCGGAC
9670	9680	9690	9700	9710	9720
GACCTGGAGT	ATGTTTATCG	CCCGATCACC	TCTTCTCAAA	ATGGTTAGAC	AAACACAACG
CTGGACCTCA	TACAAATAGC	GGGCTAGTGG	AGAAGAGTTT	TACCAATCTG	TTTGTGTTGC
9730	9740	9750	9760	9770	9780
ATAATAGGTG	GTATAATGTT	AACATAACGA	AATCACCAGG	ACCGAGACGA	ATAAATATAA
TATTATCCAC	CATATTACAA	TTGTATTGCT	TTAGTGGTCC	TGGCTCTGCT	TATTTATATT
9790	9800	9810	9820	9830	9840
CCTTGATAGG	TGTTAGAGGA	TAATATTTAA	TGTATGTTTT	CAAACAGACA	AGTTCGTTAA
GGAACATATC	ACAATCTCCT	ATTATAAATT	ACATACAAAA	GTTTGTCTGT	TCAAGCAATT
9850	9860	9870	9880	9890	9900
AACAAAATAT	TACAGTATGT	GTTTAATATG	GTGCTAACAT	GGTTGCACCA	TCCGGTTTCA
TTGTTTTTATA	ATGTCATACA	CAAATTATAC	CACGATTGTA	CCAACGTGGT	AGGCCAAAGT
9910	9920	9930	9940	9950	9960
AACTCGCATA	TCAATCTGTT	ATCGGTACGA	CACCTGTCAT	TAATCGCATA	TATGTTACTT
TTGAGCGTAT	AGTTAGACAA	TAGCCATGCT	GTGGACAGTA	ATTAGCGTAT	ATACAATGAA
9970	9980	9990	10000	10010	10020
ACCATATGTC	CCCTAGCCGT	CCATGTTTTA	GAAC TAGAAG	ATTACGACAG	GCGCTGCCGT
TGGTATACAG	GGGATCGGCA	GGTACAAAAT	CTTGATCTTC	TAATGCTGTC	CGCGACGGCA
10030	10040	10050	10060	10070	10080
TGCAACAACC	AAATTCTGTT	GAATACCCTG	CCGGTCGGAA	CCGAATTGCT	TAAGCCAATC
ACGTTGTTGG	TTTAAGACAA	CTTATGGGAC	GGCCAGCCTT	GGCTTAACGA	ATTTCGGTTAG
10090	10100	10110	10120	10130	10140
GCAGCGAGCG	AAAGCTGCAA	TCGTCAGGAA	GTGCTGGCTA	TTTTAAAGGA	CAAGGGAACC
CGTCGCTCGC	TTTCGACGTT	AGCAGTCCTT	CACGACCGAT	AAAATTTTCT	GTTCCCTTGG
10150	10160	10170	10180	10190	10200
AAGTGTCTCA	ATCCTAACGC	GCAAGCCGTG	CGTCGTCACA	TCAACCGGCT	ATTTTTTCGG
TTCACAGAGT	TAGGATTGCG	CGTTCGGCAC	GCAGCAGTGT	AGTTGGCCGA	TAAAAAAGCC

Fig. 1J (SEQ ID NO: 1)

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10210	10220	10230	10240	10250	10260
TTAATCTTAG	ACGAGGAACA	ACGCATTTAC	GACGTAGTGT	CTACCAATAT	TGAGTTCGGT
AATTAGAATC	TGCTCCTTGT	TGCGTAAATG	CTGCATCACA	GATGGTTATA	ACTCAAGCCA
10270	10280	10290	10300	10310	10320
GCCTGGCCAG	TCCCTACGGC	CTACAAAGCC	TTTCTTTGGA	AATACGCCAA	GAGACTGAAC
CGGACCGGTC	AGGGATGCCG	GATGTTTCGG	AAAGAAACCT	TTATGCGGTT	CTCTGACTTG
10330	10340	10350	10360	10370	10380
TACCACCAC	TCAGACTGCG	CTGGTGATCA	TGTCCCTATT	TTACCGTGCG	GTAGCTCTGG
ATGGTGGTGA	AGTCTGACGC	GACCACTAGT	ACAGGGATAA	AATGGCACGC	CATCGAGACC
10390	10400	10410	10420	10430	10440
GCACGCTAAG	CGCTTTGGTG	TGGTACAGCA	CTAGCATCCT	CGCAGAGATT	AACGAAAATT
CGTGCGATT	GCGAAACCAC	ACCATGTCTG	GATCGTAGGA	GCGTCTCTAA	TTGCTTTTAA
10450	10460	10470	10480	10490	10500
CCTGCTCCTC	ATCTTCTGCG	GATCACGAAG	ACTGCGAGGA	ACCGGACGAG	ATCGTTTCGG
GGACGAGGAG	TAGAAGACGC	CTAGTGCTTC	TGACGCTCCT	TGGCCTGCTC	TAGCAAGCGC
10510	10520	10530	10540	10550	10560
AAGAGCAAGA	CTATCGGGCT	CTGCTGGCCT	TTTCCCTAGT	GATTTGCGGT	ACGCTCCTCG
TTCTCGTTCT	GATAGCCCGA	GACGACCGGA	AAAGGGATCA	CTAAACGCCA	TGCGAGGAGC
10570	10580	10590	10600	10610	10620
TCACTTGTGT	GATCTGAGAC	GTCATGCTGG	TAGCGTTTAT	GAGTCGGGCG	GTGGCCGACA
AGTGAACACA	CTAGACTCTG	CAGTACGACC	ATCGCAAATA	CTCAGCCCGC	CACCGGCTGT
10630	10640	10650	10660	10670	10680
CGCCGCATTT	CCTAACCCGC	GCAGCATGTT	GCGCTTGCTG	TTCACGCTCG	TCCTGCTGGC
GCGGCGTAAA	GGATTGGGCG	CGTCGTACAA	CGCGAACGAC	AAGTGCGAGC	AGGACGACCG
10690	10700	10710	10720	10730	10740
CCTCCACGGG	CAGTCTGTCT	GCGCTAGCCG	CGACTATGTG	CATGTTTCGGC	TACTGAGCTA
GGAGGTGCCC	GTCAGACAGC	CGCGATCGGC	GCTGATACAC	GTACAAGCCG	ATGACTCGAT
10750	10760	10770	10780	10790	10800
CCGAGGCGAC	CCCCTGGTCT	TCAAGCACAC	TTTCTCGGGT	GTGCGTCGAC	CCTTCACCGA
GGCTCCGCTG	GGGGACCAGA	AGTTCGTGTG	AAAGAGCCCA	CACGCAGCTG	GGAAGTGGCT
10810	10820	10830	10840	10850	10860
GCTAGGCTGG	GCTGCGTGTC	GCGACTGGGA	CAGTATGCAT	TGCACACCCT	TCTGGTCTAC
CGATCCGACC	CGACGCACAG	CGCTGACCCT	GTCATACGTA	ACGTGTGGGA	AGACCAGATG
10870	10880	10890	10900	10910	10920
CGATCTGGAG	CAGATGACCG	ACTCGGTGCG	GCGTTACAGC	ACGGTGAGCC	CCGGCAAGGA
GCTAGACCTC	GTCTACTGGC	TGAGCCACGC	CGCAATGTCT	TGCCACTCGG	GGCCGTTTCT
10930	10940	10950	10960	10970	10980
AGTGACGCTT	CAGCTTCACG	GGAACCAAAC	CGTACAGCCG	TCGTTTCTAA	GCTTTACGTG
TCACTGCGAA	GTCGAAGTGC	CCTTGGTTTG	GCATGTCGGC	AGCAAAGATT	CGAAATGCAC
10990	11000	11010	11020	11030	11040
CCGCCTGCAG	CTAGAACCCG	TGGTGGAAAA	TGTTGGCCTC	TACGTGGCCT	ACGTGGTCAA
GGCGGACGTC	GATCTTGGGC	ACCACCTTTT	ACAACCGGAG	ATGCACCGGA	TGCACCAGTT
11050	11060	11070	11080	11090	11100
CGACGGCGAA	CGCCCACAAC	AGTTTTTTTAC	ACCGCAGGTA	GACGTGGTAC	GCTTTGCTCT
GCTGCCGCTT	GCGGGTGTTG	TCAAAAAATG	TGGCGTCCAT	CTGCACCATG	CGAAACGAGA
11110	11120	11130	11140	11150	11160
ATATCTAGAA	ACACTCTCCC	GGATCGTGGA	ACCGTTAGAA	TCAGGTCGCC	TGGCAGTGGA
TATAGATCTT	TGTGAGAGGG	CCTAGCACCT	TGGCAATCTT	AGTCCAGCGG	ACCGTCACCT
11170	11180	11190	11200	11210	11220
ATTTGATACG	CCTGACCTAG	CTCTGGCGCC	CGATTTAGTA	AGCAGCCTCT	TCGTGGCCGG
TAAACTATGC	GGACTGGATC	GAGACCGCGG	GCTAAATCAT	TCGTCCGAGA	AGCACCGGCC

Fig. 1K (SEQ ID NO: 1)

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11230	11240	11250	11260	11270	11280
ACACGGCGAG	ACCGACTTTT	ACATGAACTG	GACGCTGCGT	CGCAGTCAGA	CCCACTACCT
TGTGCCGCTC	TGGCTGAAAA	TGTACTTGAC	CTGCGACGCA	GCGTCAGTCT	GGGTGATGGA
11290	11300	11310	11320	11330	11340
GGAGGAGATG	GCCTTACAGG	TGGAGATTCT	AAAACCCCGC	GGCGTACGTC	ACCGCGCTAT
CCTCCTCTAC	CGGAATGTCC	ACCTCTAAGA	TTTTGGGGCG	CCGCATGCAG	TGGCGCGATA
11350	11360	11370	11380	11390	11400
TATCCACCAT	CCGAAGCTAC	AGCCGGGCGT	TGGCCTGTGG	ATAGATTCTT	GCGTGTACCG
ATAGGTGGTA	GGCTTCGATG	TCGGCCCGCA	ACCGGACACC	TATCTAAAGA	CGCACATGGC
11410	11420	11430	11440	11450	11460
CTACAACGCG	CGCCTGACCC	GCGGCTACGT	ACGATACACC	CTGTCACCGA	AAGCGCGCTT
GATGTTGCGC	GCGGACTGGG	CGCCGATGCA	TGCTATGTGG	GACAGTGGCT	TTCGCGCGAA
11470	11480	11490	11500	11510	11520
GCCCCGAAAA	GCAGAGGGTT	GGCTGGTGTC	ACTAGACAGA	TTCATCGTGC	AGTACCTCAA
CGGGCGTTTT	CGTCTCCCAA	CCGACCACAG	TGATCTGTCT	AAGTAGCACG	TCATGGAGTT
11530	11540	11550	11560	11570	11580
CACATTGCTG	ATTACAATGA	TGGCGGCGAT	ATGGGCTCGC	GTTTTGATAA	CCTACCTGGT
GTGTAACGAC	TAATGTTACT	ACCGCCGCTA	TACCCGAGCG	CAAACTATT	GGATGGACCA
11590	11600	11610	11620	11630	11640
GTCGCGGCGT	CGGTAGAGGC	TTGCGGAAAC	CACGTCCTCG	TCACACGTCG	TTCGCGGACA
CAGCGCCGCA	GCCATCTCCG	AACGCCTTTG	GTGCAGGAGC	AGTGTGCAGC	AAGCGCCTGT
11650	11660	11670	11680	11690	11700
TAGCAAGAAA	TCCACGTGCG	CACATCTCGA	GAATGCCGGC	CTTGCGGGGT	CCCCTTCGCG
ATCGTTCCTT	AGGTGCAGCG	GTGTAGAGCT	CTTACGGCCG	GAACGCCCCA	GGGAAGCGC
11710	11720	11730	11740	11750	11760
CAACATTTCCT	GGCCCTGGTC	GCGTTCGGGT	TGCTGCTTCA	GATAGACCTC	AGCGACGCTA
GTTGTAAGGA	CCGGGACCAG	CGCAAGCCCA	ACGACGAAGT	CTATCTGGAG	TCGCTGCGAT
11770	11780	11790	11800	11810	11820
CGAATGTGAC	CAGCAGCACA	AAAGTCCCTA	CTAGCACCAG	CAACAGAAAT	AACGTGACAA
GCTTACACTG	GTCGTCGTGT	TTTCAGGGAT	GATCGTGGTC	GTTGTCTTTA	TTGCAGCTGT
11830	11840	11850	11860	11870	11880
ACGCCACGAG	TAGCGGACCC	ACAACCGGGA	TCAACATGAC	CACCACCCAC	GAGTCTTCCG
TGCGGTGCTC	ATCGCCTGGG	TGTTGGCCCT	AGTTGTACTG	GTGGTGGGTG	CTCAGAAGGC
11890	11900	11910	11920	11930	11940
TTCACAACGT	GCGCAATAAC	GAGATCATGA	AAGTGCTGGC	TATCCTCTTC	TACATCGTGA
AAGTGTTGCA	CGCGTTATTG	CTCTAGTACT	TTCACGACCG	ATAGGAGAAG	ATGTAGCACT
11950	11960	11970	11980	11990	12000
CAGGCACCTC	CATTTTCAGC	TTCATAGCGG	TACTGATCGC	GGTAGTTTAC	TCCTCGTGTT
GTCCGTGGAG	GTAAGAGTCG	AAGTATCGCC	ATGACTAGCG	CCATCAAATG	AGGAGCACAA
12010	12020	12030	12040	12050	12060
GCAAGCACCC	GGGCCGCTTT	CGTTTCGCCG	ACGAAGAGGC	CGTCAACCTG	TTGGACGACA
CGTTTCGTGG	CCCGGCGAAA	GCAAAGCGGC	TGCTTCTCCG	GCAGTTGGAC	AACCTGCTGT
12070	12080	12090	12100	12110	12120
CGGACGACAG	TGGCGGCAGC	AGCCCGTTTG	GCAGCGGTTC	CCGACGAGGT	TCTCAGATCC
GCCTGCTGTC	ACCGCCGTCT	TCGGGCAAAC	CGTCGCCAAG	GGCTGCTCCA	AGAGTCTAGG
12130	12140	12150	12160	12170	12180
CCGCCGGATT	TTGTTCTCTG	AGCCCTTATC	AGCGGTTGGA	AACTCGGGAC	TGGGACGAGG
GGCGGCCCTA	AACAAGGAGC	TCGGGAATAG	TCGCCAACCT	TTGAGCCCTG	ACCCTGCTCC
12190	12200	12210	12220	12230	12240
AGGAGGAGGC	GTCCGCGGCC	CGCGAGCGCA	TGAAACATGA	TCCTGAGAAC	GTCATCTATT
TCCTCCTCCG	CAGGCGCCGG	GCGCTCGCGT	ACTTTGTACT	AGGACTCTTG	CAGTAGATAA

Fig. 1L (SEQ ID NO: 1)

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12250	12260	12270	12280	12290	12300
TCAGAAAGGA	TGGCAACTTG	GACACGTCGT	TCGTGAATCC	CAATTATGGG	AGAGGCTCGC
AGTCTTTTCT	ACCGTTGAAC	CTGTGCAGCA	AGCACTTAGG	GTTAATACCC	TCTCCGAGCG
12310	12320	12330	12340	12350	12360
CTTTGACCAT	CGAATCTCAC	CTCTCGGACA	ATGAGGAGGA	CCCCATCAGG	TACTACGTTT
GAAACTGGTA	GCTTAGAGTG	GAGAGCCTGT	TACTCCTCCT	GGGGTAGTCC	ATGATGCAAA
12370	12380	12390	12400	12410	12420
CGGTGTACGA	TGAACTGACC	GCCTCGGAAA	TGGAAGAACC	TTCGAACAGC	ACCAGCTGGC
GCCACATGCT	ACTTGACTGG	CGGAGCCTTT	ACCTTCTTGG	AAGCTTGTCG	TGGTCGACCG
12430	12440	12450	12460	12470	12480
AGATTCCCAA	ACTAATGAAA	GTTGCCATGC	AACCCGTCTC	GCTCAGAGAT	CCCAGGTACG
TCTAAGGGTT	TGATTACTTT	CAACGGTACG	TTGGGCAGAG	CGAGTCTCTA	GGGCTCATGC
12490	12500	12510	12520	12530	12540
ACTAGGCTTT	TTTTTTTGTG	TTTCGGTTCC	AACTCTTTCC	CCGCCCCATC	ACCTCGCCTG
TGATCCGAAA	AAAAAAACAG	AAAGCCAAGG	TTGAGAAAGG	GGCGGGGTAG	TGGAGCGGAC
12550	12560	12570	12580	12590	12600
TACTATGTGT	ATGATGTCTC	ATAATAAAGC	TTTCTTTCTC	AGTCTGCAAC	ATGCAGCTGT
ATGATACACA	TACTACAGAG	TATTATTTTCG	AAAGAAAGAG	TCAGACGTTG	TACGTCGACA
12610	12620	12630	12640	12650	12660
GTCGGGTGTG	GCTGTCTGTT	TGTCTGTGCG	CCGTGGTGCT	GGGTCAAGTC	CAGCGGGAAA
CAGCCCACAC	CGACAGACAA	ACAGACACGC	GGCACCACGA	CCCAGTCACG	GTCGCCCTTT
12670	12680	12690	12700	12710	12720
CCGCGGAAAA	AAACGATTAT	TACCGAGTAC	CGCATTACTG	GGACGCGTGC	TCTCGCGCGC
GGCGCCTTTT	TTTGCTAATA	ATGGCTCATG	GCGTAATGAC	CCTGCGCACG	AGAGCGCGCG
12730	12740	12750	12760	12770	12780
TGCCCCGACCA	AACCCGTTAC	AAGTATGTGG	AACAGCTCGT	GGACCTCACG	TTGAACTACC
ACGGGCTGGT	TTGGGCAATG	TTCATACACC	TTGTCGAGCA	CCTGGAGTGC	AACTTGATGG
12790	12800	12810	12820	12830	12840
ACTACGATGC	GAGCCACGGC	TTGGACAAC	TTGACGTGCT	CAAGAGGTGA	GGGTACGCGC
TGATGCTACG	CTCGGTGCCG	AACCTGTTGA	AACTGCACGA	GTTCTCCACT	CCCATGCGCG
12850	12860	12870	12880	12890	12900
TAAAGGTGCA	TGACAACGGG	AAGGTAAGGG	CGAACGGGTA	ACGGCTAAGT	AACCGCATGG
ATTTCCACGT	ACTGTTGCC	TTCCATTCCC	GCTTGCCCAT	TGCCGATTCA	TTGGCGTACC
12910	12920	12930	12940	12950	12960
GGTATGAAAT	GACGTTTGGG	ACCTGTGCTT	GCAGAATCAA	CGTGACCGAG	GTGTGCTTGC
CCATACTTTA	CTGCAAACCT	TGGACACGAA	CGTCTTAGTT	GCACTGGCTC	CACAGCAACG
12970	12980	12990	13000	13010	13020
TCATCAGCGA	CTTTAGACGT	CAGAACCGTC	GCGGCGGCAC	CAACAAAAGG	ACCACGTTCA
AGTAGTCGCT	GAAATCTGCA	GTCTTGGCAG	CGCCGCCGTG	GTTGTTTTCC	TGGTGCAAGT
13030	13040	13050	13060	13070	13080
ACGCCGCCGG	TTCGCTGGCG	CCACACGCCC	GGAGCCTCGA	GTTTCAGCGT	CGGCTCTTTG
TGCGGCGGCC	AAGCGACCGC	GGTGTGCGGG	CCTCGGAGCT	CAAGTCGCAC	GCCGAGAAAC
13090	13100	13110	13120	13130	13140
CCAAGTAGCC	TGCGTCACGG	GAAATAATAT	GCTGCGGCTT	CTGCTTCGTC	ACCACTTTCA
GGTTGATCGG	ACGCAGTGCC	CTTTATTATA	CGACGCCGAA	GACGAAGCAG	TGGTGAAAGT
13150	13160	13170	13180	13190	13200
CTGCCTGCTT	CTGTGCGCGC	TTTGGGCAAC	GCCCTGTCTG	GCGTCTCCGT	GGTCGACGCT
GACGGACGAA	GACACGCGCC	AAACCCGTTG	CGGGACAGAG	CGCAGAGGCA	CCAGCTGCGA
13210	13220	13230	13240	13250	13260
AACGGCAAAC	CAGAATCCGT	CCCCGCCATG	GTCTAAACTG	ACGTATTCCA	AACCGCATGA
TTGCCGTTTG	GTCTTAGGCA	GGGGCGGTAC	CAGATTTGAC	TGCATAAGGT	TTGGCGTACT

Fig. 1M (SEQ ID NO: 1)

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13270	13280	13290	13300	13310	13320
CGCGGCGACG	TTTTACTGTC	CTTTTCTCTA	TCCCTCGCCC	CCACGGTCCC	CCTTGCAATT
GCGCCGCTGC	AAAATGACAG	GAAAAGAGAT	AGGGAGCGGG	GGTGCCAGGG	GGAACGTTAA
13330	13340	13350	13360	13370	13380
CTCGGGGTTC	CAGCAGGTAT	CAACGGGTCC	CGAGTGTGCG	AACGAGACCC	TGTATCTGCT
GAGCCCCAAG	GTCGTCCATA	GTGCCCAGG	GCTCACAGCG	TTGCTCTGGG	ACATAGACGA
13390	13400	13410	13420	13430	13440
GTACAACCGG	GAAGGCCAGA	CCTTGGTGGA	GAGAAGCTCC	ACCTGGGTGA	AAAAGGTGAT
CATGTTGGCC	CTTCCGGTCT	GGAACCACT	CTCTTCGAGG	TGGACCCACT	TTTTCCACTA
13450	13460	13470	13480	13490	13500
CTGGTATCTG	AGCGGTGCGA	ACCAGACCAT	CCTCCAACGG	ATGCCCCAAA	CGGCTTCGAA
GACCATAGAC	TCGCCAGCGT	TGGTCTGGTA	GGAGGTTGCC	TACGGGGTTT	GCCGAAGCTT
13510	13520	13530	13540	13550	13560
ACCGAGCGAC	GGAAACGTGC	AGATCAGCGT	GGAAGACGCC	AAGATTTTGT	GAGCGCACAT
TGGCTCGCTG	CCTTTGCACG	TCTAGTCGCA	CCTTCTGCGG	TTCTAAAAAC	CTCGCGTGTA
13570	13580	13590	13600	13610	13620
GGTGCCCAAG	CAGACCAAGC	TGCTACGCTT	CGTCGTCAAC	GATGGCACGC	GTTATCAGAT
CCACGGGTTC	GTCTGGTTTC	ACGATGCGAA	GCAGCAGTTG	CTACCGTGCG	CAATAGTCTA
13630	13640	13650	13660	13670	13680
GTGTGTGATG	AAGCTGGAGA	GCTGGGCCCA	CGTCTTCCGG	GACTIONAGCG	TGTCTTTTCA
CACACACTAC	TTCGACCTCT	CGACCCGGGT	GCAGAAAGCC	CTGATGTGCG	ACAGAAAAGT
13690	13700	13710	13720	13730	13740
GGTGCGATTG	ACGTTACCCG	AGGCCAATAA	CCAGACTTAC	ACCTTCTGTA	CCCATCCCAA
CCACGCTAAC	TGCAAGTGGC	TCCGGTTATT	GGTCTGAATG	TGGAAGACAT	GGGTAGGGTT
13750	13760	13770	13780	13790	13800
TCTCATCATT	TGAGCCCGTC	GCGCGCGCAG	GGAATTTTGA	AAACCGCGCG	TCATGAGTCC
AGAGTAGTAA	ACTCGGGCAG	CGCGCGCGTC	CCTTAAAACT	TTTGGCGCGC	AGTACTCAGG
13810	13820	13830	13840	13850	13860
CAAAGACCTG	ACGCCGTTCT	TGACGACGTT	GTGGCTGCTA	TTGGGTCAACA	GCCGCGTGCC
GTTTCTGGAC	TGCGGCAAGA	ACTGCTGCAA	CACCGACGAT	AACCCAGTGT	CGGCGCACGG
13870	13880	13890	13900	13910	13920
GCGGGTGCGC	GCAGAAGAAT	GTTGCGAATT	CATAAACGTC	AACCACCCGC	CGGAACGCTG
CGCCACGCG	CGTCTTCTTA	CAACGCTTAA	GTATTTGCAG	TTGGTGGGCG	GCCTTGCGAC
13930	13940	13950	13960	13970	13980
TTACGATTTT	AAAATGTGCA	ATCGCTTCAC	CGTCGCGTAC	GTATTTTCAT	GATTGTCTGC
AATGCTAAAG	TTTACACGT	TAGCGAAGTG	GCAGCGCATG	CATAAAAGTA	CTAACAGACG
13990	14000	14010	14020	14030	14040
GTTCTGTGGT	GCGTCTGGAT	TTGTCTCTCG	ACGTTTCTGA	TAGCCATGTT	CCATCGACGA
CAAGACACCA	CGCAGACCTA	AACAGAGAGC	TGCAAAGACT	ATCGGTACAA	GGTAGCTGCT
14050	14060	14070	14080	14090	14100
TCCTCGGGAA	TGCCAGAGTA	GATTTTCATG	AATCCACAGG	CTGCGGTGTC	CGGACGGCGA
AGGAGCCCTT	ACGGTCTCAT	CTAAAAGTAC	TTAGGTGTCC	GACGCCACAG	GCCTGCCGCT
14110	14120	14130	14140	14150	14160
AGTCTGCTAC	AGTCCCAGAG	AAACGGCTGA	GATTCGCGGG	ATCGTCAACA	CCATGACCCA
TCAGACGATG	TCAGGGCTCT	TTTGCCGACT	CTAAGCGCCC	TAGCAGTGGT	GGTACTGGGT
14170	14180	14190	14200	14210	14220
TTCATTGACA	CGCCAGGTCT	TACACAACAA	ACTGACGAGC	TGCAACTACA	ATCCGTAAGT
AAGTAACGTG	GCGGTCCAGC	ATGTGTTGTT	TGACTGCTCG	ACGTTGATGT	TAGGCATTCA
14230	14240	14250	14260	14270	14280
CTCTTCCTCG	AGGGCCTTAC	AGCCTATGGG	AGAGTAAGAC	AGAGAGGGAC	AAAACATCAT
GAGAAGGAGC	TCCCGGAATG	TCGGATACCC	TCTCATTTCTG	TCTCTCCCTG	TTTTGTAGTA

Fig. 1N (SEQ ID NO: 1)

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14290	14300	14310	14320	14330	14340
TAAAAA	AGTCTAATTT	CACGTTTTGT	ACCCCCCTTC	CCCTCCGTGT	TGTAGCCCAT
ATTTTTTTTT	TCAGATTAAA	GTGCAAAACA	TGGGGGGAAG	GGGAGGCACA	ACATCGGGTA
14350	14360	14370	14380	14390	14400
CGGCCGCGGC	GATCTCCTAG	TAACACTCGT	CCGACACTTC	CACCATCTCC	AGCTCGGCCG
GCCGGCGCCG	CTAGAGGATC	ATTGTGAGCA	GGCTGTGAAG	GTGGTAGAGG	TCGAGCCGGC
14410	14420	14430	14440	14450	14460
GCGGTTTCGGC	ATCCTCTACC	AGCGGCGTCG	TCTCATCTTT	GCCGCAGCAG	CGGACGCACA
CGCCAAGCCG	TAGGAGATGG	TCGCCGCAGC	AGAGTAGAAA	CGGCGTCGTC	GCCTGCGTGT
14470	14480	14490	14500	14510	14520
CCTTCTCCAG	GCAGAACGCC	ACCAGCTGCC	GCCGAACGTA	CCACAGGTAC	ACGTGCAGAC
GGAAGAGGTC	CGTCTTGCGG	TGGTCGACGG	CGGCTTGTCAT	GGTGTCCATG	TGCACGTCTG
14530	14540	14550	14560	14570	14580
CTGCGAACAG	GACTACGGAG	GTCATGACCA	CCACGACGCA	CACGGGAATC	CAGGGATCGA
GACGCTTGTC	CTGATGCCTC	CAGTACTGGT	GGTGCTGCGT	GTGCCCTTAG	GTCCCTAGCT
14590	14600	14610	14620	14630	14640
GATTGTTGCT	GGAACCTCATG	GCTATCGCCA	CCGACGTGCC	CGCGTCTGTC	TCACCGCCGC
CTAACAACGA	CCTTGAGTAC	CGATAGCGGT	GGCTGCACGG	GCGCAGACAG	AGTGCGGGCG
14650	14660	14670	14680	14690	14700
TCGCCCCGATG	TCGCGCGGCT	TGTTATACGC	TAGCCCGTCG	CCGCCTCGGG	GCACGGTGCC
AGCGGGCTAC	AGCGCGCCGA	ACAATATGCG	ATCGGGCAGC	GGCGGAGCCC	CGTGCCACGG
14710	14720	14730	14740	14750	14760
CTCCTACCCA	CGTAACTTCC	TCCGTGACTT	AAAGTCGCGT	GTGGTAGATC	TCCTGCTCCG
GAGGATGGGT	GCATTGAAGG	AGGCACTGAA	TTTCAGCGCA	CACCATCTAG	AGGACGAGGC
14770	14780	14790	14800	14810	14820
TGGACGAACC	GTCCGGCAGG	ATAGCGGTTA	AGGATTCGGT	GCTAAGGCCG	TGTCGCCAAC
ACCTGCTTGG	CAGGCCGTCC	TATCGCCAAT	TCCTAAGCCA	CGATTCCGGC	ACAGCGGTTG
14830	14840	14850	14860	14870	14880
GTCGAATGCT	ACGTTGCAAC	AGCTTCGACG	GACGGCCATC	CCCTCTCTCA	TCGCAATAAT
CAGCTTACGA	TGCAACGTTG	TCGAAGCTGC	CTGCCGCTAG	GGGAGAGAGT	AGCGTTATTA
14890	14900	14910	14920	14930	14940
AAAACACCAG	CAGCGCGCAC	GACGCGATCA	CGGTGACACC	CATGATTAGA	CCCACGCAGA
TTTTGTGGTC	GTCGCGCGTG	CTGCGCTAGT	GCCACTGTGG	GTACTAATCT	GGGTGCGTCT
14950	14960	14970	14980	14990	15000
TAGCCAGCCC	CGCTAGCGTA	TCTAGCGCCA	TCCCCTTCGC	TCCCCTTGTC	TCCTGAGCGA
ATCGGTCGGG	GCGATCGCAT	AGATCGCGGT	AGGGCAAGCG	AGGGCAACAG	AGGACTCGCT
15010	15020	15030	15040	15050	15060
AGCAACTTCT	CGGTCCCCGT	TTTCAACAGT	TTTTGTTTCC	TTCTCCGCGA	CTAGATGTTA
TCGTTGAAGA	GCCAGGGGCA	AAAGTTGTCA	AAAACAAAGG	AAGAGGCGCT	GATCTACAAT
15070	15080	15090	15100	15110	15120
ACGCCC	TCTTTCCGGC	CGTGCTCTAC	CTCCTGGCGC	TTGTGCTCTG	GGTTGAGATG
TGCGGGCGCC	AGAAAGGCCG	GCACGAGATG	GAGGACCGCG	AACAGCAGAC	CCAACTCTAC
15130	15140	15150	15160	15170	15180
TTCTGCCTCG	TCGCCGTAGC	CGTCGTCGAG	CGCGAGATCG	CCTGGGCGCT	GCTGCTGCGG
AAGACGGAGC	AGCGGCATCG	GCACGAGCTC	GCGCTCTAGC	GGACCCGCGA	CGACGACGCC
15190	15200	15210	15220	15230	15240
ATGCTGGTCG	TTGGCCTGAT	GGTGGAAGTC	GGCGCCGCCG	CCGCTTGAGC	CTTCGTGCGT
TACGACACAGC	AACCGGACTA	CCACCTTCAG	CCGCGGCGCG	GGCGAACCTG	GAAGCAGCGA
15250	15260	15270	15280	15290	15300
TGTCTTGCCCT	ATCAGCGCTC	CTTCCCCGTG	CTTACGGCCT	TCCCCTGAAA	CCCACGTTAA
ACAGAACGGA	TAGTCGCGAG	GAAGGGGCAC	GAATGCCGGA	AGGGGACTTT	GGGTGCAATT

Fig. 1O (SEQ ID NO: 1)

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15310	15320	15330	15340	15350	15360
CCGACCGTCC	CAAAAACGCC	GGTGTTAACA	CAGGAAAAAA	AGAAACCACG	CAGGAACCGC
GGCTGGCAGG	GTTTTTGCGG	CCACAATTGT	GTCTTTTTTT	TCTTTGGTGC	GTCTTGCGC
15370	15380	15390	15400	15410	15420
GCAGGAACCA	CGCGGAACAT	GGGACACTAT	CTGGAAATCC	TGTTCAACGT	CATCGTCTTC
CGTCCTTGGT	GCGCCTTGTA	CCCTGTGATA	GACCTTTAGG	ACAAGTTGCA	GTAGCAGAAG
15430	15440	15450	15460	15470	15480
ACTCTGCTGC	TCGGCGTCAT	GGTCAGTATC	GTCTGCTGGT	ACTTCACGTG	AACCACCGTC
TGAGACGACG	AGCCGCAGTA	CCAGTCATAG	CAGCGAACCA	TGAAGTGAC	TTGGTGCGAG
15490	15500	15510	15520	15530	15540
GTCCCGGTTT	AAAAACCATC	ATCGACGGCC	GTTATAAAGC	CACCCGGACA	CGCGCCGCGG
CAGGGCCAAA	TTTTTGGTAG	TAGCTGCCGG	CAATATTTTC	GTGGGCCTGT	GCGCGGCGCC
15550	15560	15570	15580	15590	15600
CACTTGCTGC	CGGCGCTGCT	TCAGGGAAAC	TCCTCTTCCT	TCTGCTCTTC	CTCCTTCACC
GTGAACGGAT	GCCGCGACGA	AGTCCCTTTG	AGGAGAAGGA	AGACGAGAAG	GAGGAAGTGG
15610	15620	15630	15640	15650	15660
GCAGGGATCG	TTTCCCTCGA	CCAGGGACTC	GCCGAAGCAA	CCGCCGGAGC	AACCTGGAGG
CGTCCCTAGC	AAAGGGAGCT	GGTCCCTGAG	CGGCTTCGTT	GGCGGCCTCG	TTGGACCTCC
15670	15680	15690	15700	15710	15720
AGTCGCGGCA	TGACGGCGCC	CAAGTGTGTC	ACCACCAGTA	CTTATCTGGT	CAAGACCAAG
TCAGCGCCGT	ACTGCCGCGG	GTTACACAG	TGGTGGTCAT	GAATAGACCA	GTTCTGGTTC
15730	15740	15750	15760	15770	15780
GAACAGCCCT	GGTGGCCCCG	CAACGCCATC	AGGAGATGGT	GGATCAGTGT	TGCTATCGTC
CTTGTCGGGA	CCACCGGGCT	GTTCGCGTAG	TCCTCTACCA	CCTAGTCACA	ACGATAGCAG
15790	15800	15810	15820	15830	15840
ATCTTCATCG	GAGTCTGTCT	GGTGGCCCTG	ATGTACTTTA	CGCAGCAGCA	GGCAGCGCAG
TAGAAGTAGC	CTCAGACAGA	CCACCGGGAC	TACATGAAAT	GCGTCGTCGT	CCGTGCGTCG
15850	15860	15870	15880	15890	15900
GGGAGCAGCA	GCGGCTAGAC	AAGTCTCTGG	CGGCTACAGC	TCCAAGCGCC	GTAGCCGGGC
CCCTCGTCGT	CGCCGATCTG	TTCAGAGACC	GCCGATGTCT	AGGTTTCGCG	CATCGGCCCG
15910	15920	15930	15940	15950	15960
CGCCTGCCGA	TCGCGACGTC	GTGGACCATC	GAACAGAGAC	TCACGCGTAC	GAGACCCCGA
GCGGACGGCT	AGCGCTGCAG	CACCTGGTAG	CTTGCTCTCT	AGTGCGCATG	CTCTGGGGCT
15970	15980	15990	16000	16010	16020
GGTACGCCAC	GCGGTGCCTA	ACGCGGTATA	CCACACCCGT	ACGGTCTGCA	GTGCGGCGTA
CCATGCGGTG	CGCCACGGAT	TGCGCCATAT	GGTGTGGGCA	TGCCAGACGT	CACGCCGCAT
16030	16040	16050	16060	16070	16080
CAACGTGTGG	AAAACGCGTT	GCGTCGCAGA	GTCCGCCACG	TTCCTGTCTT	GTGCTCCCC
GTTGCACACC	TTTTGCGCAA	CGCAGCGTCT	CAGGCGGTGC	AAGGACAGAA	CAGCGAGGGG
16090	16100	16110	16120	16130	16140
AATCGTCTCC	CGCACACCCC	CCGCGACACC	CAGAGGGCGG	GTGAGCCAAG	TATTCTTAAG
TTAGCAGAGG	GCGTGTGGGG	GGCGCTGTGG	GTCTCCCGCC	CACTCGGTTC	ATAAGAATTC
16150	16160	16170	16180	16190	16200
GCCGTTCTTT	GTTCCATAGC	CCATAAATTG	TTGATTCCGG	AGCTCGTTGG	CGCGGAAATA
CGGCAAGAAA	CAAGGTATCG	GGTATTTAAC	AACTAAGGCC	TCGAGCAACC	GCGCCTTTAT
16210	16220	16230	16240	16250	16260
GCCGGATAAG	GGGAGCAACA	ACCGTTGGCG	AAAGCCGTCC	CGCTCATTCA	GTCCGGGTTT
CGGCCTATT	CCCTCGTTGT	TGGCAACCGC	TTTCGCGCAG	GCGAGTAAGT	CAGGCCCAAA
16270	16280	16290	16300	16310	16320
CGCGTCCAGT	CGGACGTGTG	ACCGTTGGGC	AACGGAACGG	CGTTTCACTG	CCAAAATCGT
GCGCAGGTCA	GCCTGCACAC	TGGCAACCCG	TTGCCTTGCC	GCAAAGTGAC	GGTTTTAGCA

Fig. 1P (SEQ ID NO: 1)

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16330	16340	16350	16360	16370	16380
ATCGGGTAGT	GTACGAGACG	TCGGCGGTGC	AGAATGCGAC	TCGCGGCGTA	GCTCGCCGTC
TAGCCCATCA	CATGCTCTGC	AGCCGCCACG	TCTTACGCTG	AGCGCCGCAT	CGAGCGGCAG
16390	16400	16410	16420	16430	16440
GCTATGCGGC	TCGTCGCCGT	GTGGCGCGGC	CTGGCCGGCT	GTCTGCGTCC	AGATCTGTTG
CGATACGCCG	AGCAGCGGCA	CACCGCGCCG	GACCGGCCGA	CAGACGCAGG	TCTAGACAAC
16450	16460	16470	16480	16490	16500
GCCTTTTGGT	TCCTCTGGCT	GCTGCTGCGT	GTGTGCTTTG	GTAGACGCGG	TGGCAGTTTG
CGGAAAACCA	AGGAGACCGA	CGACGACGCA	CACACGAAAC	CATCTGCGCC	ACCGTCAAAC
16510	16520	16530	16540	16550	16560
CGGTCTGCGG	TAAGTGAGGA	TGTCGCCGAG	CAAACGCACT	TGCGGCGCGT	GGGCGGCACG
GCCAGACGCC	ATTCACTCCT	ACAGCGGCTC	GTTTGCGTGA	ACGCCGCGCA	CCCGCCGTGC
16570	16580	16590	16600	16610	16620
CGTGTCTATT	TAGGTTTCGT	GCCAGATGGC	AAGTGCTGTG	AACAGCAGGC	GTTGTGGGCG
GCACAGTAAC	ATCCAAGCAA	CGGTCTACCG	TTCACGACAG	TTGTCGTCGG	CAACACCCGC
16630	16640	16650	16660	16670	16680
GTCGGTGTAT	TTTTGTGGGT	TGCGGTGAGA	GTCGGCACTC	GGTGTTTTGT	GAGTCATCTC
CAGCCACATA	AAAACACCCA	ACGCCACTCT	CAGCCGTGAG	CCACAAAACA	CTCAGTAGAG
16690	16700	16710	16720	16730	16740
AACTATCTGT	GTTGCTTTGA	GCAGCGTCCA	GAACAGCGAC	GCGACTTTGG	GGATGGCCTC
TTGATAGACA	CAACGAAACT	CGTCGCAGGT	CTTGTCGCTG	CGCTGAAACC	CCTACCGGAG
16750	16760	16770	16780	16790	16800
GTGCTCACCT	CCGCGGAGAG	CGCCGCCGGA	CCTGCTCGTC	AGCAGCGAGC	TACGCAGACG
CACGAGTGGA	GGCGCCTCTC	GCGCGGGCCT	GGACGAGCAG	TCGTCGCTCG	ATGCGTCTGC
16810	16820	16830	16840	16850	16860
GAATATCTGG	AGGAGAGTTA	CGTGTGTAC	AGGAGAGCGC	GGGTCTCCGG	CGGTAACGAC
CTTATAGACC	TCCTCTCAAT	GCACACAGTG	TCCTCTCGCG	CCCAGAGGCC	GCCATTGCTG
16870	16880	16890	16900	16910	16920
GGCGGTGTCT	TCGACACGTG	TGCGGCCTGT	TGTGCTCTGC	GGAAAAGTGC	CGGTCTCGGA
CCGCCACAGC	AGCTGTGCAC	ACGCCGGA	ACACGAGACG	CCTTTTCACG	GCCAGAGCCT
16930	16940	16950	16960	16970	16980
GACCGTGGAC	GAAAAAGAGA	ACGCAGCAGC	TACCGCTGGC	GGCGGCGGCG	TTAATGCAGC
CTGGCACCTG	CTTTTTCTCT	TGCGTCGTCG	ATGGCGACCG	CCGCCGCCGC	AATTACGTCG
16990	17000	17010	17020	17030	17040
CGTTGATGTT	CGACGTTGTG	AGCACTCGGA	AACAGCGGTG	AGGCAGAAGG	TCGATTCTCC
GCAACTACAA	GCTGCAACAC	TCGTGAGCCT	TTGTGCGCCAC	TCCGTCTTCC	AGCTAAGAGG
17050	17060	17070	17080	17090	17100
AGGGAACGAC	AGTCGATGCG	TGGTAGCCGC	AGCAGGTGAG	GTTGGGGCGG	ACAACGTGTT
TCCCTTGCTG	TCAGCTACGC	ACCATCGGCG	TCGTCCACTC	CAACCCCGCC	TGTTGCACAA
17110	17120	17130	17140	17150	17160
GCGGATTGTG	GCGAGAACGT	CGTCCTCCCC	TTCTTCACCG	CCCCACCCAC	CCTCGGTTGG
CGCCTAACAC	CGCTCTTGCA	GCAGGAGGGG	AAGAAGTGGC	GGGGTGGGTG	GGAGCCAACC
17170	17180	17190	17200	17210	17220
TGTTTCTTTT	TTCTTGTGTC	CTGCAGATAG	TTCCACGGAC	AGCGACGGCA	AGTCCATAAT
ACAAAGAAAA	AAGAACACAG	GACGTCTATC	AAGGTGCCTG	TCGCTGCCGT	TCAGGTATTA
17230	17240	17250	17260	17270	17280
CAGCGGTGTG	CAAGTGGTGG	AACACGACGA	AGATATCATC	GCGCCGCAGA	GTTTGTGGTG
GTCGCCACAC	GTTCAACACC	TTGTGCTGCT	TCTATAGTAG	CGCGGCGTCT	CAAAACACCAC
17290	17300	17310	17320	17330	17340
CACGGCGTTC	AAGGAAGCCC	TCTGGGATGT	GGCTCTGTTG	GAAGTGCCGC	GTTGGGCGTG
GTGCCGCAAG	TTCTTTCGGG	AGACCCTACA	CCGAGACAAC	CTTCACGGCG	CAACCCGCAC

Fig. 1Q (SEQ ID NO: 1)

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17350	17360	17370	17380	17390	17400
GCAGGGCTGG	AAGAGGTGGC	GCAACAGCGA	GGCCGGGCGT	CGATGGAGTG	CTGGGTCTGC
CGTCCCGACC	TTCTCCACCG	CGTTGTCTGT	CCGGCCCGCA	GCTACCTCAC	GACCCAGACG
17410	17420	17430	17440	17450	17460
GTCGGCTTCC	AGCTTGTCTG	ACTTGGCGGG	CGAGGCCGTT	GGAGAATTGG	TGGGATCGGT
CAGCCGAAGG	TGAACAGAC	TGAACCGCCC	GCTCCGGCAA	CCTCTTAACC	ACCCTAGCCA
17470	17480	17490	17500	17510	17520
CGTCGCGTAC	GTGATCCTTG	AACGTCTGTG	GTTGGCAGCC	AGAGGTTGGG	TGTGCGAAAC
GCAGCGCATG	CACTAGGAAC	TTGCAGACAC	CAACCGTCGG	TCTCCAACCC	ACACGCTTTG
17530	17540	17550	17560	17570	17580
AGGTGTGGAA	GCCGAGGAGG	CCATGTCGCG	GCGGCGACAG	CGCATGCTGT	GGCGTATTGT
TCCACACCTT	CGGCTCCTCC	GGTACAGCGC	CGCCGCTGTC	GCGTACGACA	CCGCATAACA
17590	17600	17610	17620	17630	17640
TCTCTCGTGG	AGGCGACGGC	GAATGCAGCA	GACGGTGTTC	GATGGAGATG	GCGTGCGGGG
AGAGAGCACC	TCCGCTGCCG	CTTACGTCTG	CTGCCACAAG	CTACCTCTAC	CGCAGCGCCC
17650	17660	17670	17680	17690	17700
AAGAAAGCGC	CGTGTGTGTA	GCAGACGACG	TAGGATGCGG	GACGTCGGAG	CACATGGGCC
TTCTTTTCGCG	GCACAACACT	CGTCTGCTGC	ATCCTACGCC	CTGCAGCCTC	GTGTACCCGG
17710	17720	17730	17740	17750	17760
ATGTGTGGTG	GCAGATGGCG	GTGTCCGCTG	GTGTCTGCTG	CGGCAGTGCA	TAGACGAAGC
TACACACCAC	CGTCTACCGC	CACAGGCGAC	CACAGACGAC	GCCGTCACGT	ATCTGCTTCG
17770	17780	17790	17800	17810	17820
AACATGTCGC	TGTGAAGAGA	TAGAGTGTGA	GCATAGCTGC	ATGCAGCGTT	GCGTGTATAA
TTGTACAGCG	ACACTTCTCT	ATCTCACACT	CGTATCGACG	TACGTCGCAA	CGCACATATT
17830	17840	17850	17860	17870	17880
GCGGGGGGGA	TTAAGACGTT	AATAAAGAAT	AGCGGCGGTT	CTGATAGGGC	GACCGCTGAA
CGCCCCCCTT	AATTCTGCAA	TTATTTCTTA	TCGCCGCCAA	GACTATCCCG	CTGGCGACTT
17890	17900	17910	17920	17930	17940
GTGAGCTGCG	TGTGCGTGTG	GTTTGTGGAG	TCCCCGCCGC	CCCCGGTCCC	GTGTCCGCCG
CACTCGACGC	ACACGCACAC	CAAAACCTTC	AGGGGCGGCG	GGGGCCAGGG	CACAGGCGGC
17950	17960	17970	17980	17990	18000
GCAAAGCCCC	CCGGNTCCGC	ACACTCCTGG	CCGCGCAACC	CTCGTCGCTG	CAAAGCCCC
CGTTTTCGGG	GGCCNAGGCG	TGTGAGGACC	GGCGGTTTGG	GAGCAGCGAC	GTTTTCGGGG
18010	18020	18030	18040	18050	18060
CCGTCCCCGC	ACACCCCCGC	GACCGCCGGT	CCCGCGAGTC	CCCGTCCCCG	CCGCAAAAGG
GGCAGGGGCG	TGTGGGGGCG	CTGGCGGCCA	GGGCGCTCAG	GGGCAGGGGC	GGCGTTTTCC
18070	18080	18090	18100	18110	18120
CCCCCGTCCT	CGCCGCAAAC	ACCCCGCTCA	CCCCCGTCCC	TCAGNCCGGG	TCCGCGAGTC
GGGGGCAGGA	GCGGCGTTTG	TGGGGGCAGT	GGGGGCAGGG	AGTCNGGCCC	AGGCGCTCAG
18130	18140	18150	18160	18170	18180
CCCGTTCCCA	GCGTAATCCC	CGTACCCGCA	ACGNCCCGGN	CCCACCGTCG	TCCCGCACAC
GGGCAAGGGT	CGCATTAGGG	GCATGGGCGT	TGCNNGGCCN	GGGTGGCAGC	AGGGCGTGTG
18190	18200	18210	18220	18230	18240
CCCCCGTCCC	CCAGCCCGGT	GCCCAGCGTG	CGAAAAAAGC	TCCGTCCCTC	ACACCCGCAG
GGGGGCAGGG	GGTCGGGCCA	CGGGTCGCAC	GCTTTTTTCG	AGGCAGGGAG	TGTGGGCGTC
18250	18260	18270	18280	18290	18300
AAAGATCCCT	CAGCGCGGTG	AAACCCCGTC	CCCAGCGCCG	TGCCGCTGAC	AAAGACCATG
TTTCTAGGGA	GTCGCGCCAC	TTTGGGGCAG	GGGTCGCGGC	ACGGCGACTG	TTTCTGGTAC
18310	18320	18330	18340	18350	18360
GGACGACACG	CACAGGCA..
CCTGCTGTGC	GTGTCCGT..

Fig. 1R (SEQ ID NO: 1)